

Appendix 1

SAR Distribution Plots for Test System Verification

Date/Time: 4/10/2013 8:33:26 AM

DUT Serial: D750V3 - SN:1040

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(6.46,6.46,6.46); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1162
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 750.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=750$ MHz; $\sigma = 0.8945$; $\epsilon_r = 42.64$ mho/m; $\rho = 1.000$ kg/m³

SAM Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

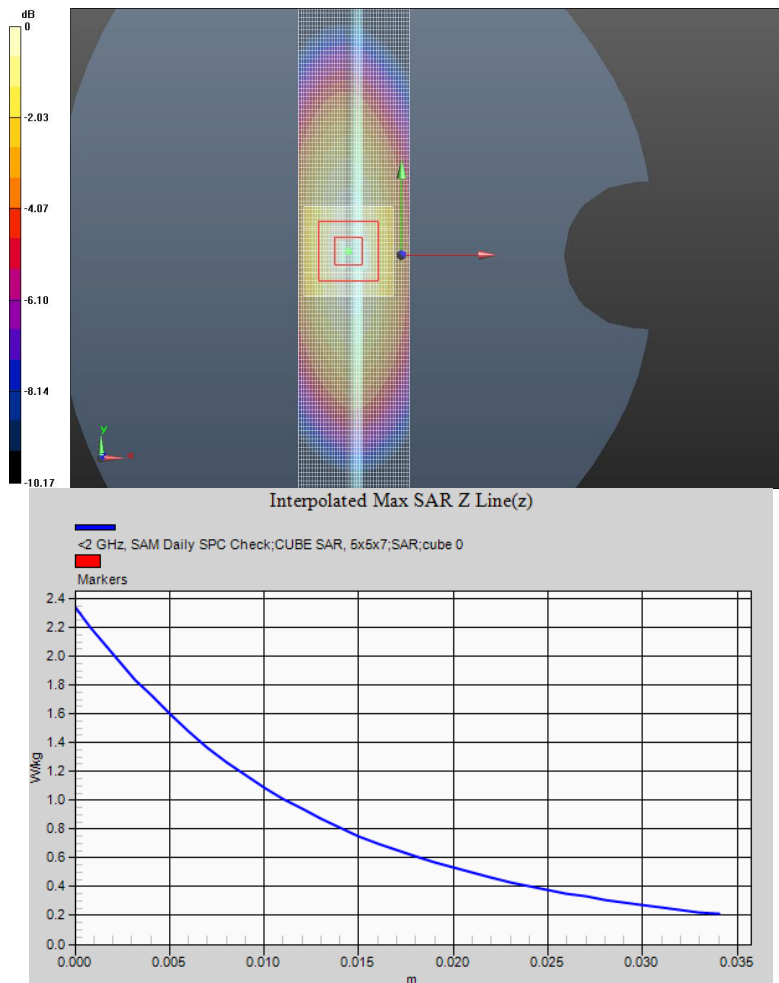
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 1.61 W/kg; SAR(10g) = 1.08 W/kg

SAM Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 44.627 V/m, Power Drift = -0.035 dB

Averaged SAR: SAR(1g) = 1.60 W/kg; SAR(10g) = 1.06 W/kg



Date/Time: 4/9/2013 7:50:24 AM

DUT Serial: D835V2 - SN:436tr

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.01,6.01,6.01); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Sugar SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1235
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 835.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=835$ MHz; $\sigma = 0.9378$; $\epsilon_r = 41.84$ mho/m; $\rho = 1.000$ kg/m³

SAM Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

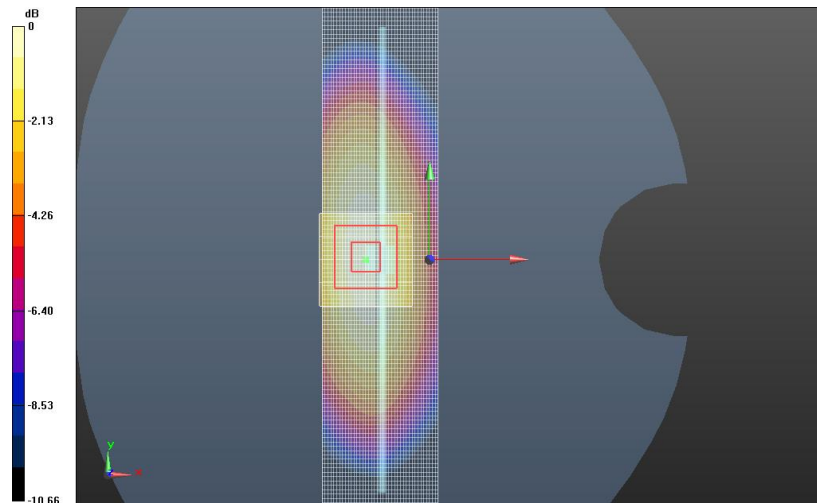
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 2.01 W/kg; SAR(10g) = 1.34 W/kg

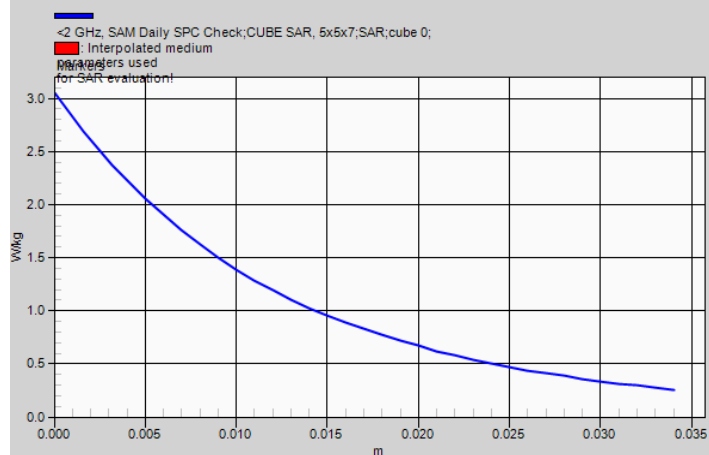
SAM Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 47.916 V/m, Power Drift = -0.00378 dB

Averaged SAR: SAR(1g) = 2.00 W/kg; SAR(10g) = 1.32 W/kg



Interpolated Max SAR Z Line(z)



Date/Time: 4/12/2013 7:37:02 AM

DUT Serial: D835V2 - SN:436tr

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.01,6.01,6.01); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Sugar SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1235
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 835.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: f=835 MHz; $\sigma = 0.9297$; $\epsilon_r = 40.99$ mho/m; $\rho = 1.000$ kg/m³

SAM Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

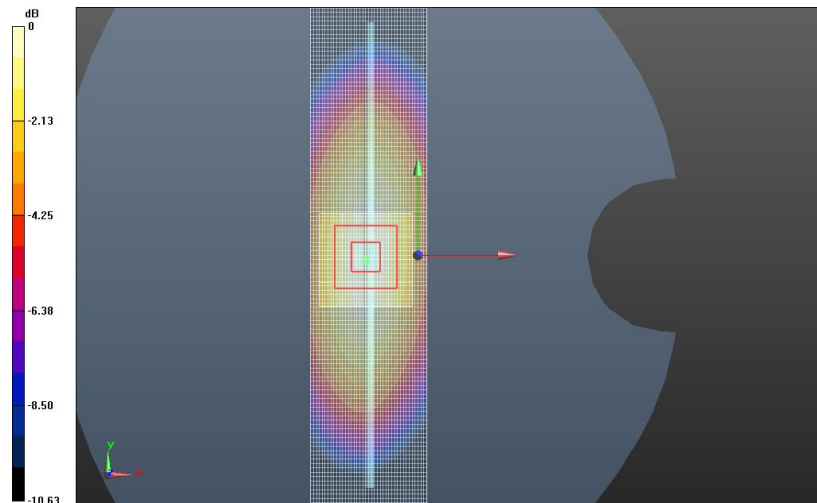
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 2.00 W/kg; SAR(10g) = 1.33 W/kg

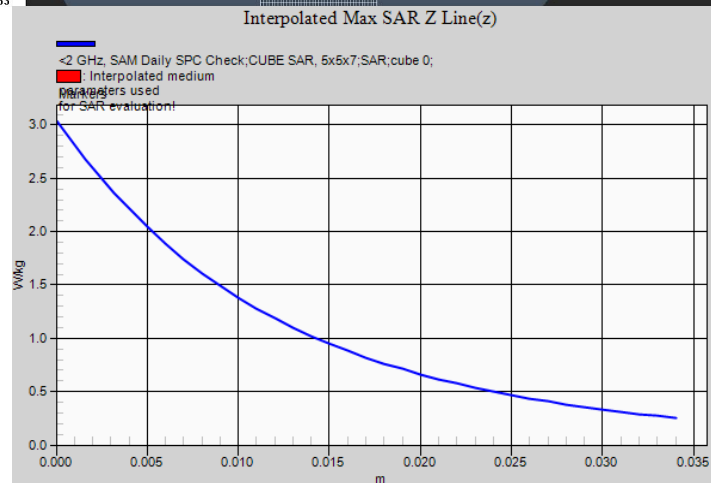
SAM Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 49.469 V/m, Power Drift = -0.000756 dB

Averaged SAR: SAR(1g) = 2.00 W/kg; SAR(10g) = 1.31 W/kg



Interpolated Max SAR Z Line(z)



Date/Time: 4/8/2013 7:35:28 AM

DUT Serial: D1800V2 - SN:2d191

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(5.15,5.15,5.15); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.332$; $\epsilon_r = 36.98$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

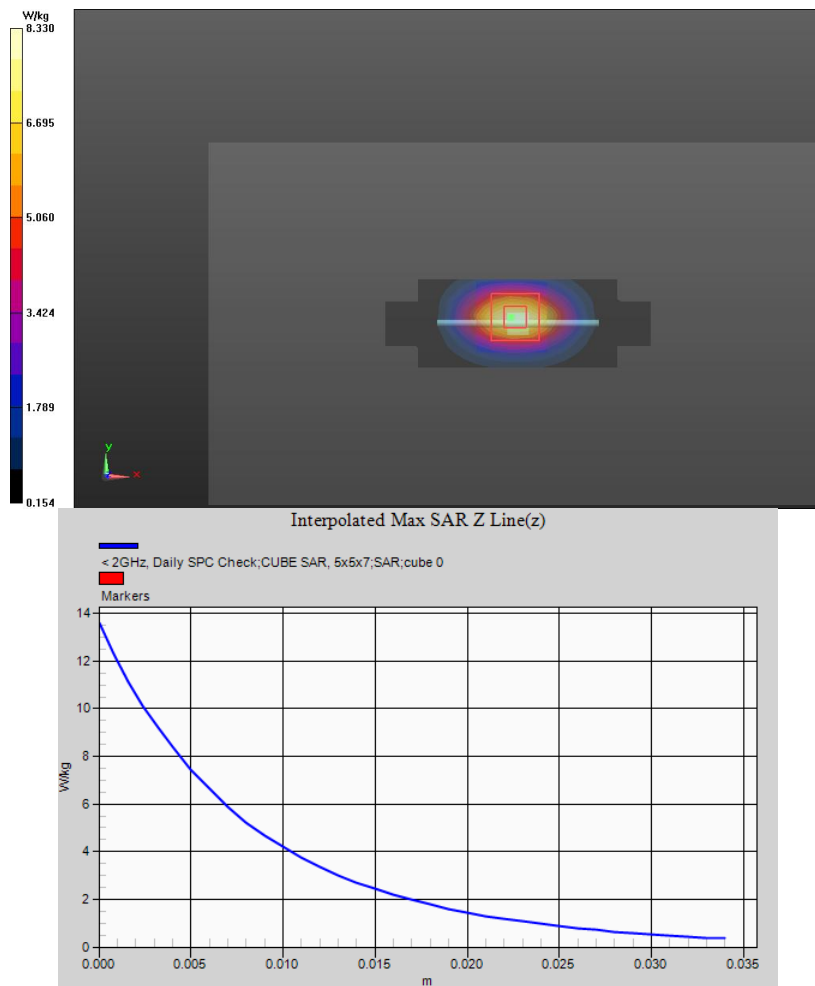
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 7.62 W/kg; SAR(10g) = 4.13 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 78.865 V/m, Power Drift = 0.020 dB

Averaged SAR: SAR(1g) = 7.56 W/kg; SAR(10g) = 3.97 W/kg



Date/Time: 4/9/2013 7:33:36 AM

DUT Serial: D1800V2 - SN:2d191

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(5.15,5.15,5.15); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.352$; $\epsilon_r = 36.96$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

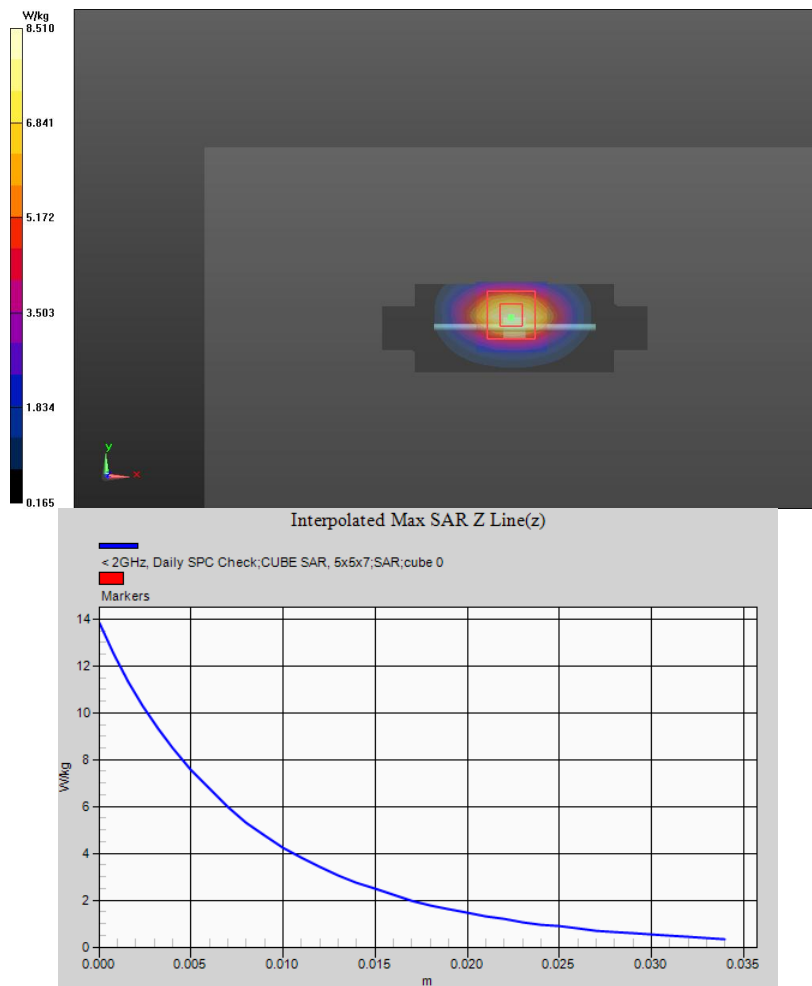
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 7.69 W/kg; SAR(10g) = 4.20 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 80.070 V/m, Power Drift = 0.013 dB

Averaged SAR: SAR(1g) = 7.63 W/kg; SAR(10g) = 4.02 W/kg



Date/Time: 4/10/2013 7:23:57 AM

DUT Serial: D1800V2 - SN:2d190

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(5.07,5.07,5.07); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.353$; $\epsilon_r = 36.61$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

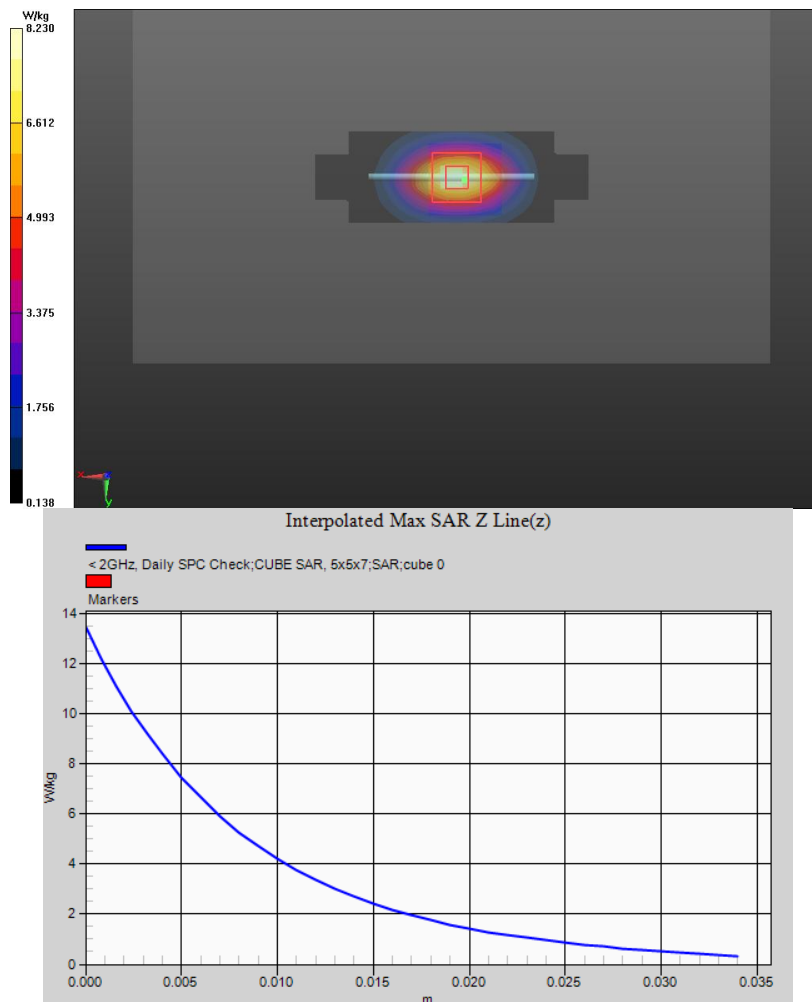
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 7.53 W/kg; SAR(10g) = 4.07 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 79.254 V/m, Power Drift = -0.016 dB

Averaged SAR: SAR(1g) = 7.45 W/kg; SAR(10g) = 3.94 W/kg



Date/Time: 4/18/2013 7:19:48 AM

DUT Serial: D1800V2 - SN:259tr

DASY Configuration:

- Probe: ES3DV3 - SN3180; ConvF(5.01,5.01,5.01); Calibrated: 2/11/2013;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn656; Calibrated: 2/7/2013
- Phantom: R#-1, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.340$; $\epsilon_r = 37.11$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

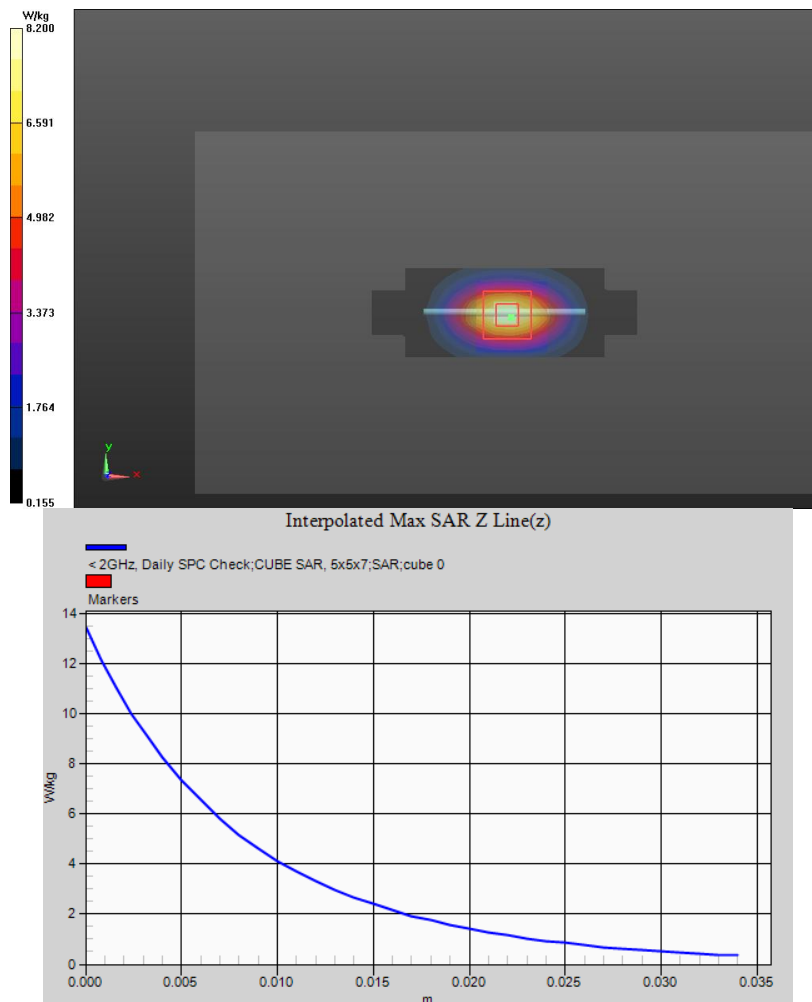
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 7.56 W/kg; SAR(10g) = 4.11 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 79.096 V/m, Power Drift = -0.030 dB

Averaged SAR: SAR(1g) = 7.46 W/kg; SAR(10g) = 3.94 W/kg



Date/Time: 3/21/2013 4:12:13 PM

DUT Serial: D2450V2 - SN:863; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.90,6.90,6.90); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#3, 2450 WiFi SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1153
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2450 MHz; Channel: 11; Duty Cycle: 1:1.000

Medium Parameters used: $f=2450$ MHz; $\sigma = 1.813$; $\epsilon_r = 37.16$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

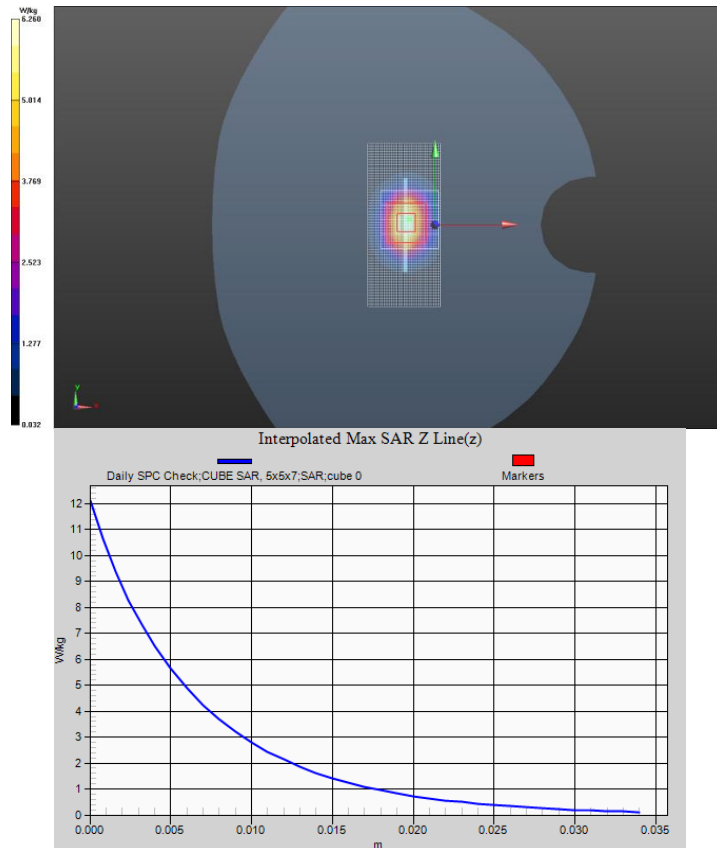
Fast SAR: SAR(1g) = 5.81 W/kg; SAR(10g) = 2.73 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 59.838 V/m, Power Drift = -0.061 dB

Averaged SAR: SAR(1g) = 5.64 W/kg; SAR(10g) = 2.60 W/kg



Date/Time: 7/24/2013 6:16:47 PM

DUT Serial: D2450V2 - SN:740**DASY Configuration:**

- Probe: EX3DV4 - SN3730; ConvF(6.9,6.9,6.9); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#3, 2450 WiFi SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1153
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole (0); Communication System Band: CW for SAR Dipoles; Frequency: 2450 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=2450$ MHz; $\sigma = 1.776$; $\epsilon_r = 37.24$ mho/m; $\rho = 1.000$ kg/m³

2-3 GHz, SAM Daily SPC Check/fastSAR, Dipole Area Scan (41x221x1):

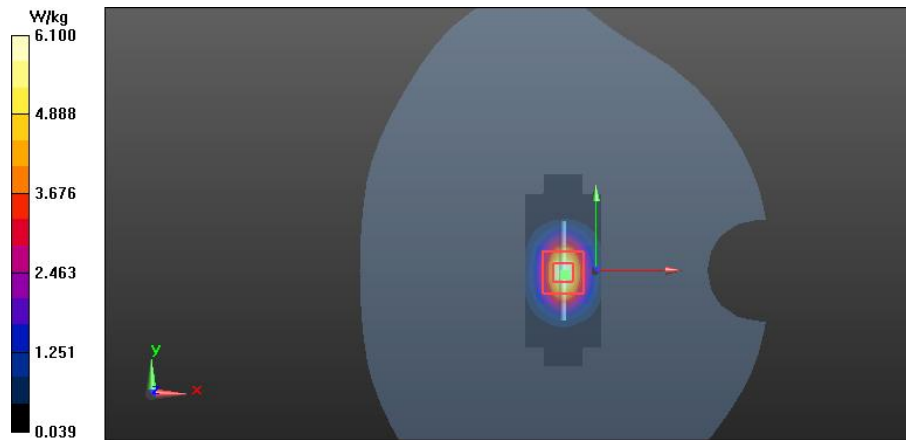
Interpolated grid: dx=1.000 mm, dy=1.000 mm

Fast SAR: SAR(1g) = 5.31 W/kg; SAR(10g) = 2.51 W/kg

2-3 GHz, SAM Daily SPC Check/CUBE SAR, 7x7x7 (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 58.498 V/m, Power Drift = 0.0053 dB

Averaged SAR: SAR(1g) = 5.32 W/kg; SAR(10g) = 2.47 W/kg



Date/Time: 3/20/2013 1:00:10 PM

DUT Serial: D2600V2 - SN:1055; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.72,6.72,6.72); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2600 MHz; Channel: 12; Duty Cycle: 1:1.000

Medium Parameters used: $f=2600$ MHz; $\sigma = 1.957$; $\epsilon_r = 37.08$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

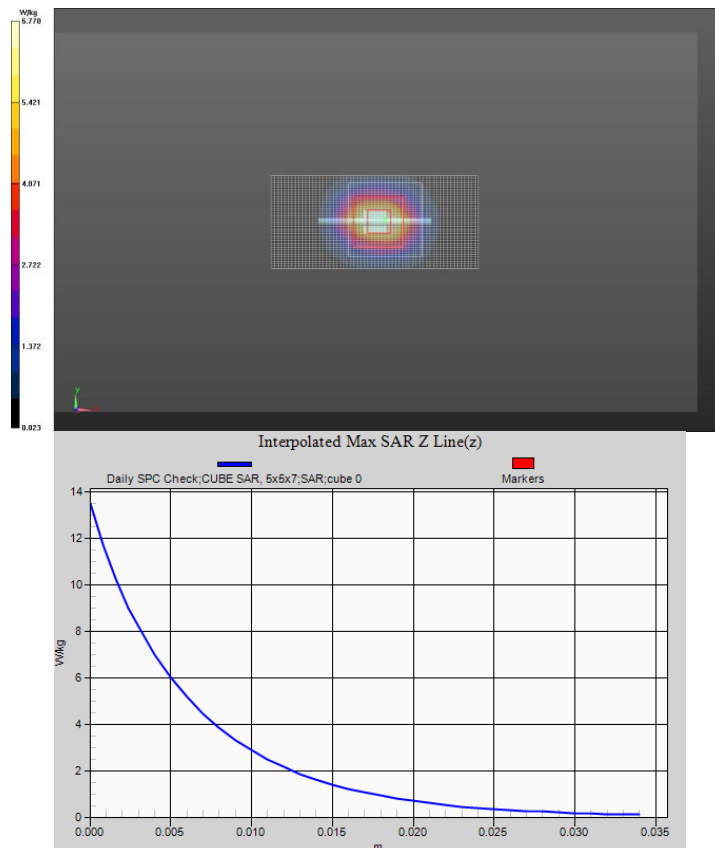
Fast SAR: SAR(1g) = 6.23 W/kg; SAR(10g) = 2.80 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 59.010 V/m, Power Drift = -0.078 dB

Averaged SAR: SAR(1g) = 6.08 W/kg; SAR(10g) = 2.71 W/kg



Date/Time: 3/27/2013 5:24:10 PM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(4.90,4.90,4.90); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#3, 5GHz SAM, REV.2 (13nov12); Type: SAM; Serial: TP-1106
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5200 MHz; Channel: 15; Duty Cycle: 1:1.000

Medium Parameters used: $f=5200$ MHz; $\sigma = 4.656$; $\epsilon_r = 34.42$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x211x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

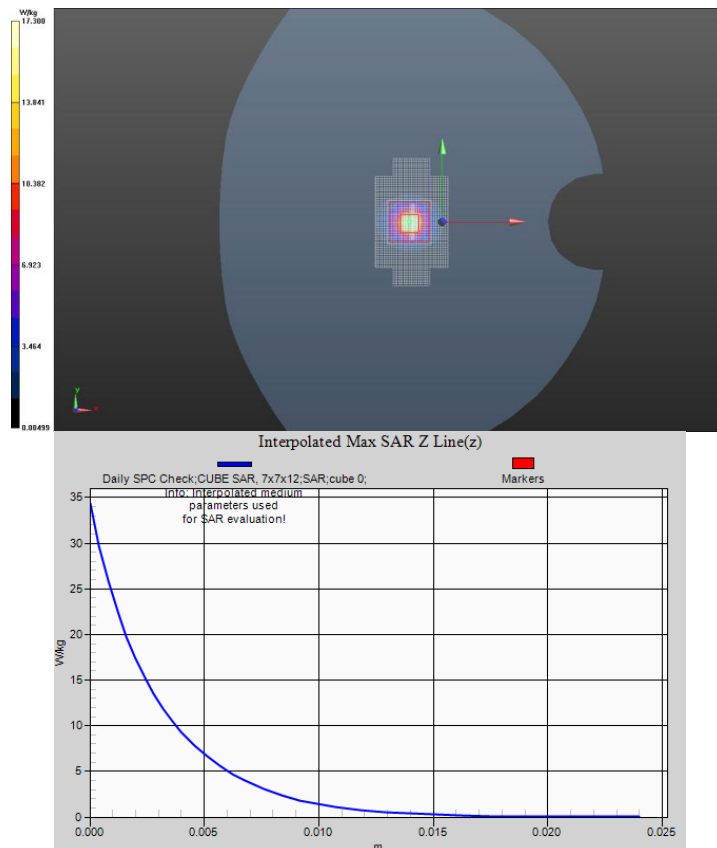
Fast SAR: SAR(1g) = 7.97 W/kg; SAR(10g) = 2.17 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 64.427 V/m, Power Drift = 0.034 dB

Averaged SAR: SAR(1g) = 8.19 W/kg; SAR(10g) = 2.32 W/kg



Date/Time: 3/29/2013 12:44:02 PM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(4.90,4.90,4.90); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#3, 5GHz SAM, REV.2 (13nov12); Type: SAM; Serial: TP-1106
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5200 MHz; Channel: 15; Duty Cycle: 1:1.000

Medium Parameters used: $f=5200$ MHz; $\sigma = 4.707$; $\epsilon_r = 34.83$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x211x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

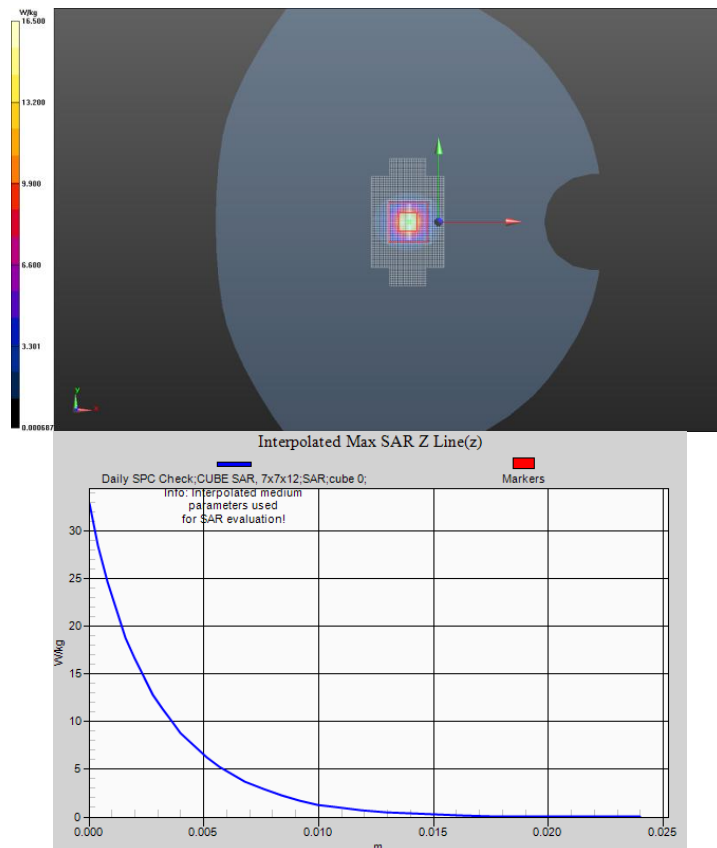
Fast SAR: SAR(1g) = 7.67 W/kg; SAR(10g) = 2.10 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 63.229 V/m, Power Drift = -0.025 dB

Averaged SAR: SAR(1g) = 7.85 W/kg; SAR(10g) = 2.22 W/kg



Date/Time: 3/27/2013 6:57:58 PM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(4.24,4.24,4.24); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#3, 5GHz SAM, REV.2 (13nov12); Type: SAM; Serial: TP-1106
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5800 MHz; Channel: 20; Duty Cycle: 1:1.000

Medium Parameters used: $f=5800$ MHz; $\sigma = 5.346$; $\epsilon_r = 33.00$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x211x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

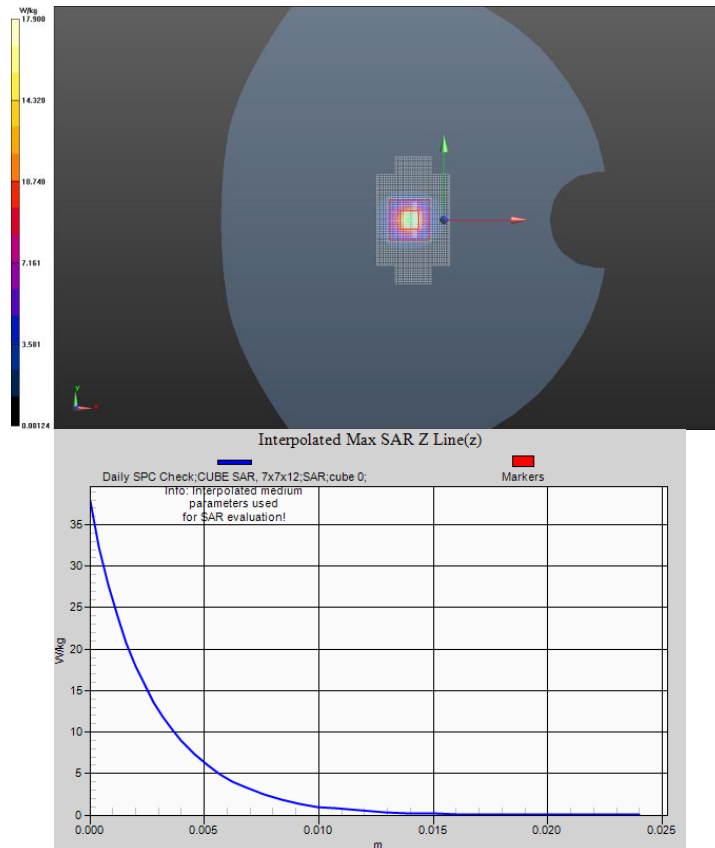
Fast SAR: SAR(1g) = 7.91 W/kg; SAR(10g) = 2.17 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 61.064 V/m, Power Drift = -0.014 dB

Averaged SAR: SAR(1g) = 8.26 W/kg; SAR(10g) = 2.31 W/kg



Date/Time: 4/10/2013 8:09:08 AM

DUT Serial: D750V3 - SN:1040

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(6.22,6.22,6.22); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 750.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=750$ MHz; $\sigma = 0.9775$; $\epsilon_r = 53.53$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

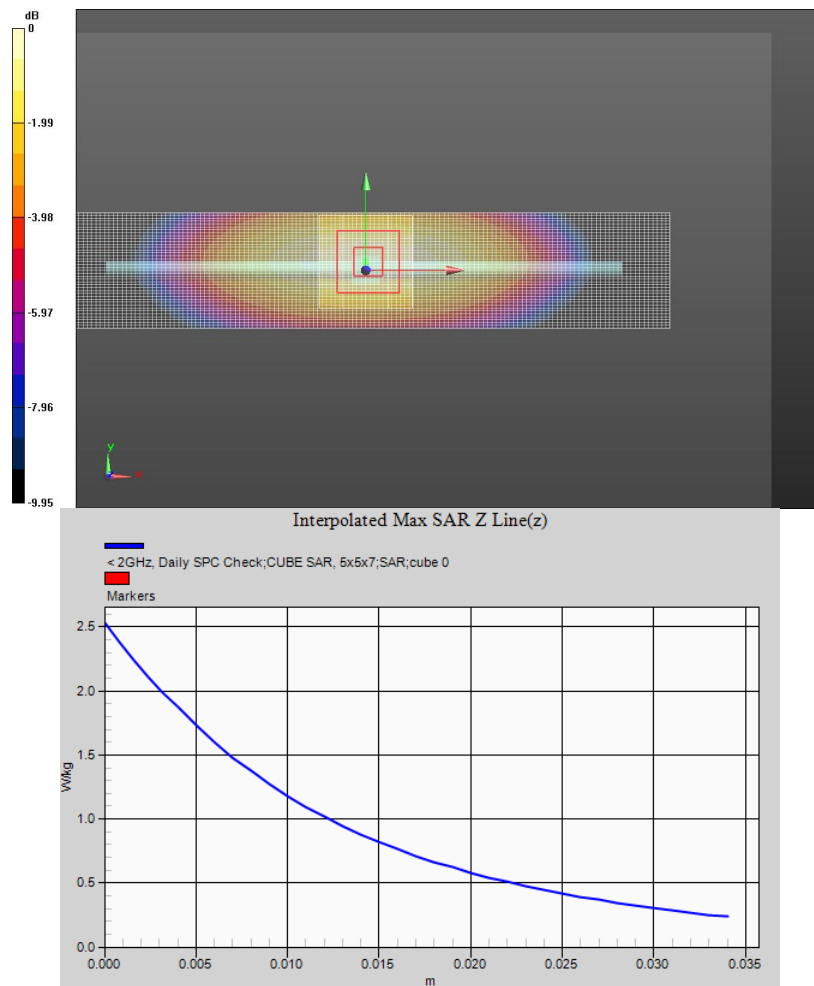
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 1.70 W/kg; SAR(10g) = 1.14 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 44.331 V/m, Power Drift = -0.038 dB

Averaged SAR: SAR(1g) = 1.70 W/kg; SAR(10g) = 1.13 W/kg



Date/Time: 4/10/2013 8:29:10 PM

DUT Serial: D750V3 - SN:1040

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(6.22,6.22,6.22); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 750.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=750$ MHz; $\sigma = 0.9775$; $\epsilon_r = 53.53$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

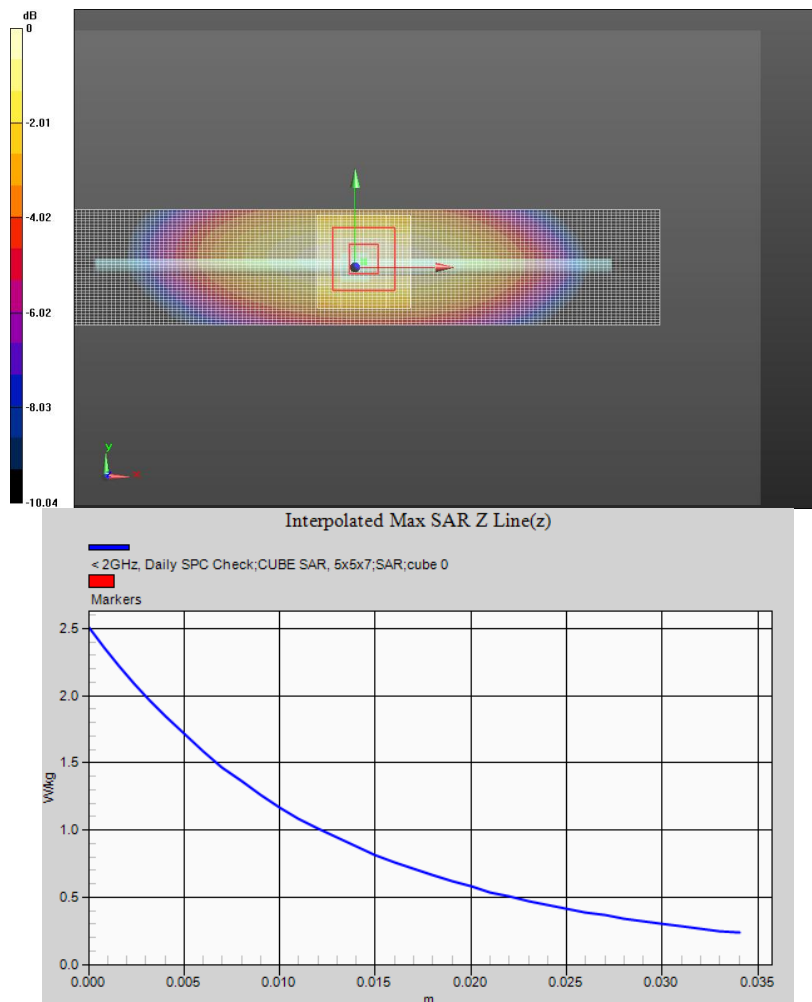
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 1.68 W/kg; SAR(10g) = 1.13 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 43.555 V/m, Power Drift = -0.00278 dB

Averaged SAR: SAR(1g) = 1.68 W/kg; SAR(10g) = 1.12 W/kg



Date/Time: 4/9/2013 9:00:04 PM

DUT Serial: D835V2 - SN:436tr

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 835.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: f=835 MHz; $\sigma = 1.002$; $\epsilon_r = 53.67$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

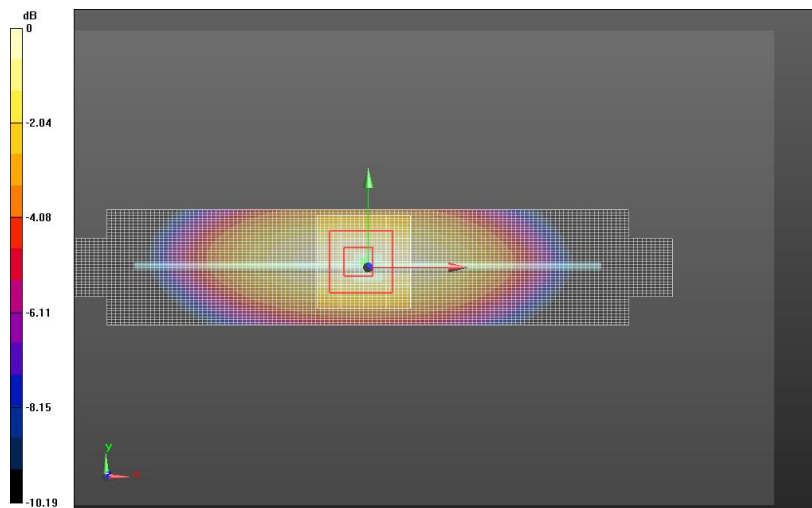
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 1.95 W/kg; SAR(10g) = 1.30 W/kg

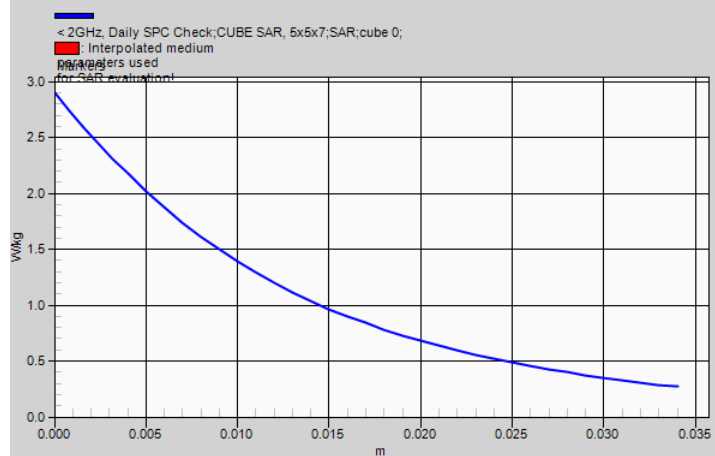
Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 47.409 V/m, Power Drift = -0.018 dB

Averaged SAR: SAR(1g) = 1.95 W/kg; SAR(10g) = 1.30 W/kg



Interpolated Max SAR Z Line(z)



Date/Time: 4/11/2013 7:34:16 AM

DUT Serial: D835V2 - SN:436tr

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 835.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: f=835 MHz; $\sigma = 0.9972$; $\epsilon_r = 53.32$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

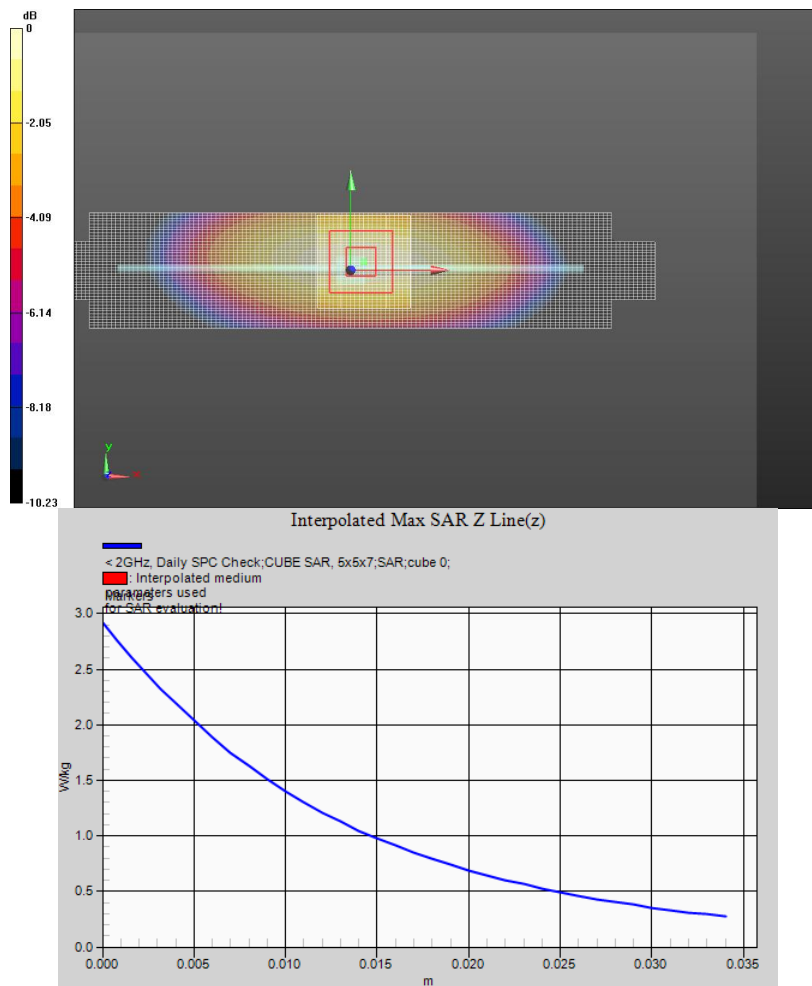
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 1.97 W/kg; SAR(10g) = 1.31 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 47.600 V/m, Power Drift = -0.034 dB

Averaged SAR: SAR(1g) = 1.97 W/kg; SAR(10g) = 1.31 W/kg



Date/Time: 4/12/2013 12:27:33 PM

DUT Serial: D835V2 - SN:436tr

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 835.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=835$ MHz; $\sigma = 1.001$; $\epsilon_r = 52.95$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

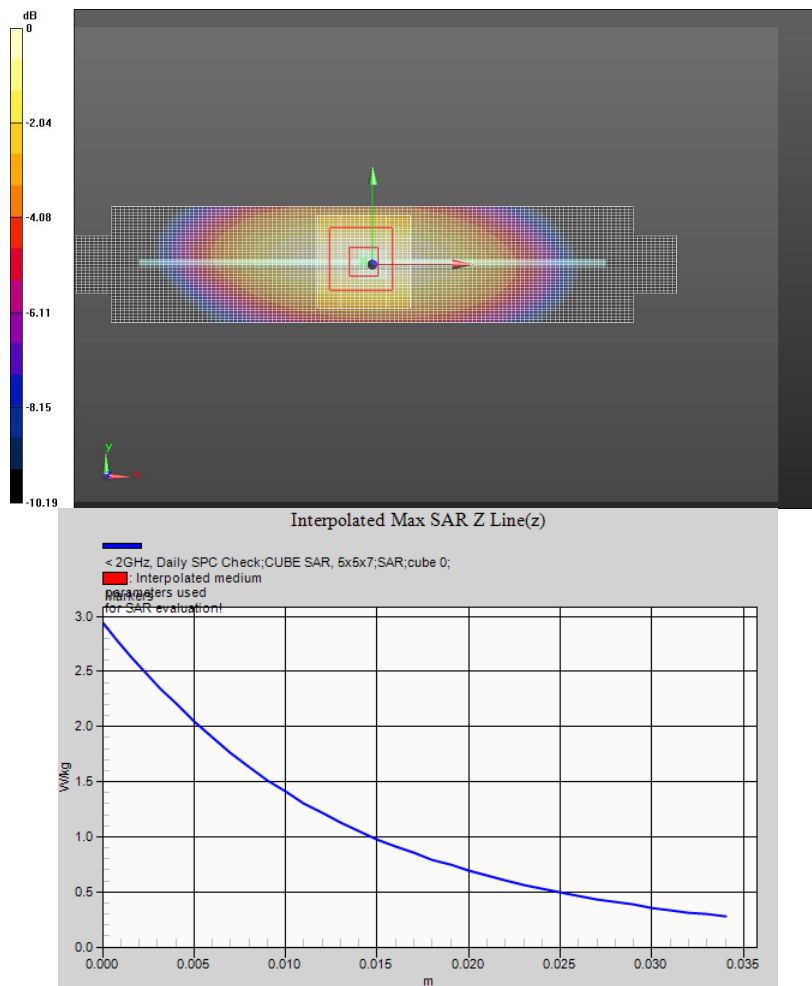
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 1.98 W/kg; SAR(10g) = 1.32 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 48.444 V/m, Power Drift = -0.152 dB

Averaged SAR: SAR(1g) = 1.97 W/kg; SAR(10g) = 1.31 W/kg



Date/Time: 7/23/2013 4:24:53 PM

DUT Serial: D835V2 - SN:436tr**DASY Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole (0); Communication System Band: CW for SAR Dipoles; Frequency: 835.0 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=835$ MHz; $\sigma = 0.9915$; $\epsilon_r = 54.09$ mho/m; $\rho = 1.000$ kg/m³

< 2GHz, Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

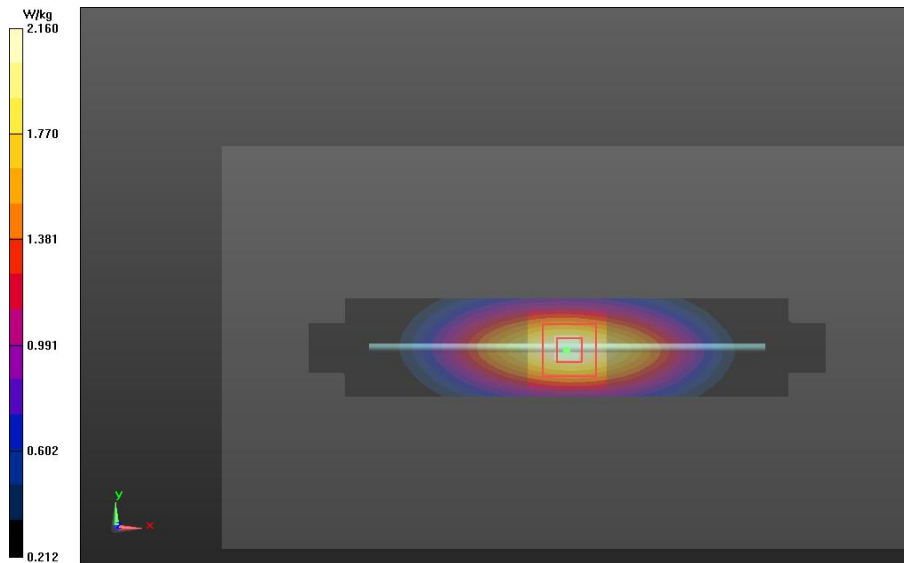
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 1.96 W/kg; SAR(10g) = 1.30 W/kg

< 2GHz, Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 47.561 V/m, Power Drift = -0.028 dB

Averaged SAR: SAR(1g) = 1.96 W/kg; SAR(10g) = 1.30 W/kg



Date/Time: 4/8/2013 9:41:29 AM

DUT Serial: D1800V2 - SN:2d191

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.426$; $\epsilon_r = 48.99$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

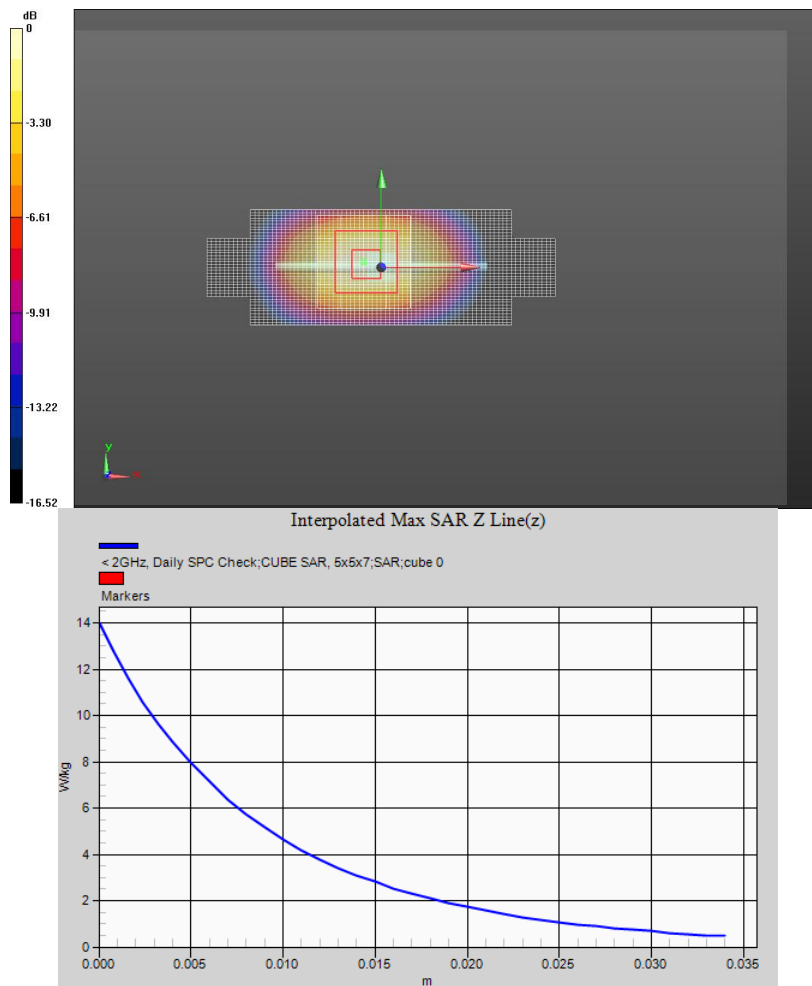
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 8.23 W/kg; SAR(10g) = 4.31 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 78.937 V/m, Power Drift = -0.00147 dB

Averaged SAR: SAR(1g) = 8.04 W/kg; SAR(10g) = 4.26 W/kg



Date/Time: 4/9/2013 11:58:44 AM

DUT Serial: D1800V2 - SN:2d191

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.586$; $\epsilon_r = 50.44$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

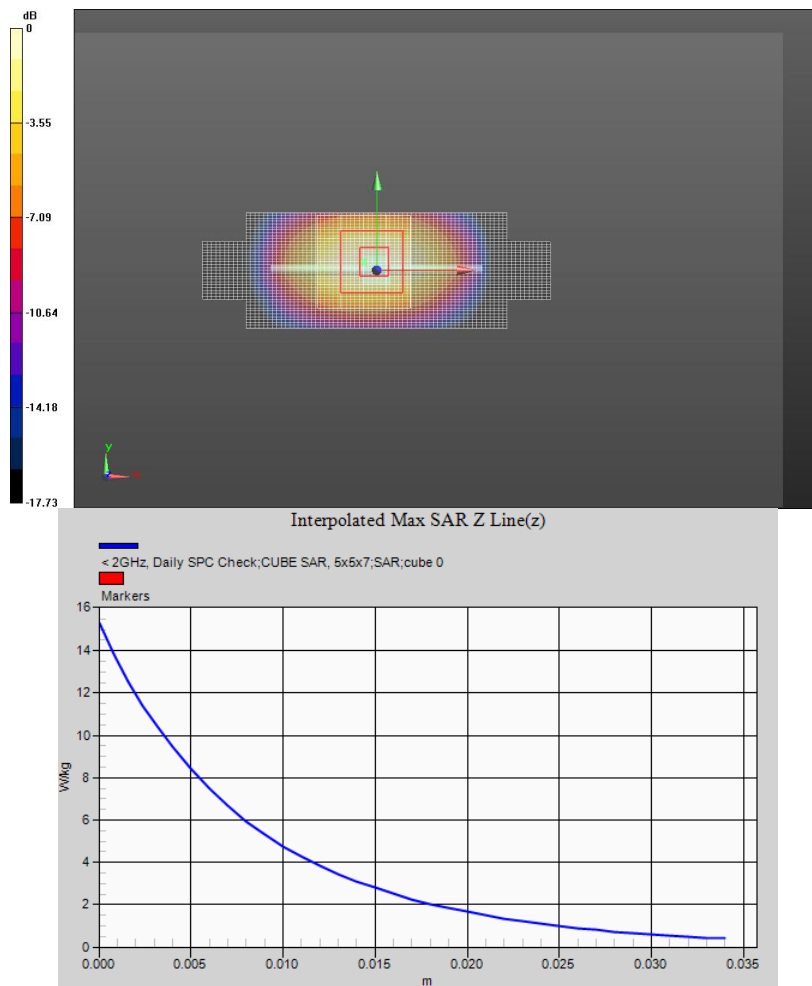
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 8.19 W/kg; SAR(10g) = 4.42 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 78.505 V/m, Power Drift = -0.067 dB

Averaged SAR: SAR(1g) = 8.06 W/kg; SAR(10g) = 4.27 W/kg



Date/Time: 4/9/2013 4:33:09 PM

DUT Serial: D1800V2 - SN:2d190

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.441$; $\epsilon_r = 48.93$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

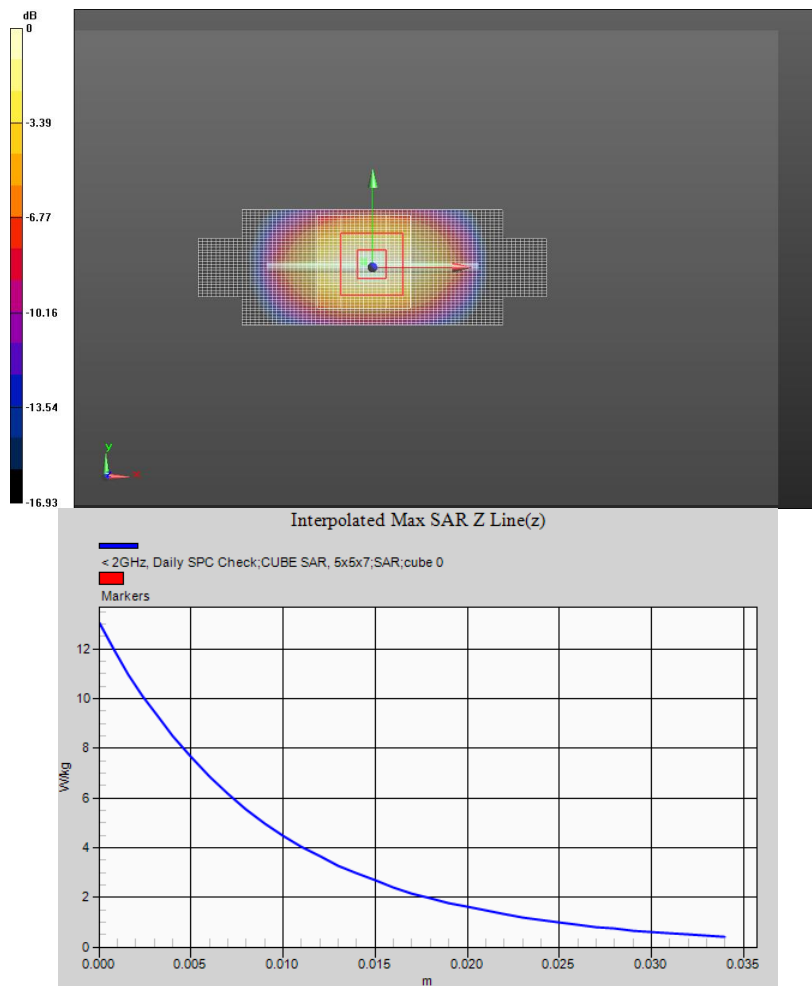
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 7.70 W/kg; SAR(10g) = 4.11 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 78.369 V/m, Power Drift = -0.00118 dB

Averaged SAR: SAR(1g) = 7.62 W/kg; SAR(10g) = 4.05 W/kg



Date/Time: 4/10/2013 7:52:47 PM

DUT Serial: D1800V2 - SN:2d190

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.444$; $\epsilon_r = 48.81$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

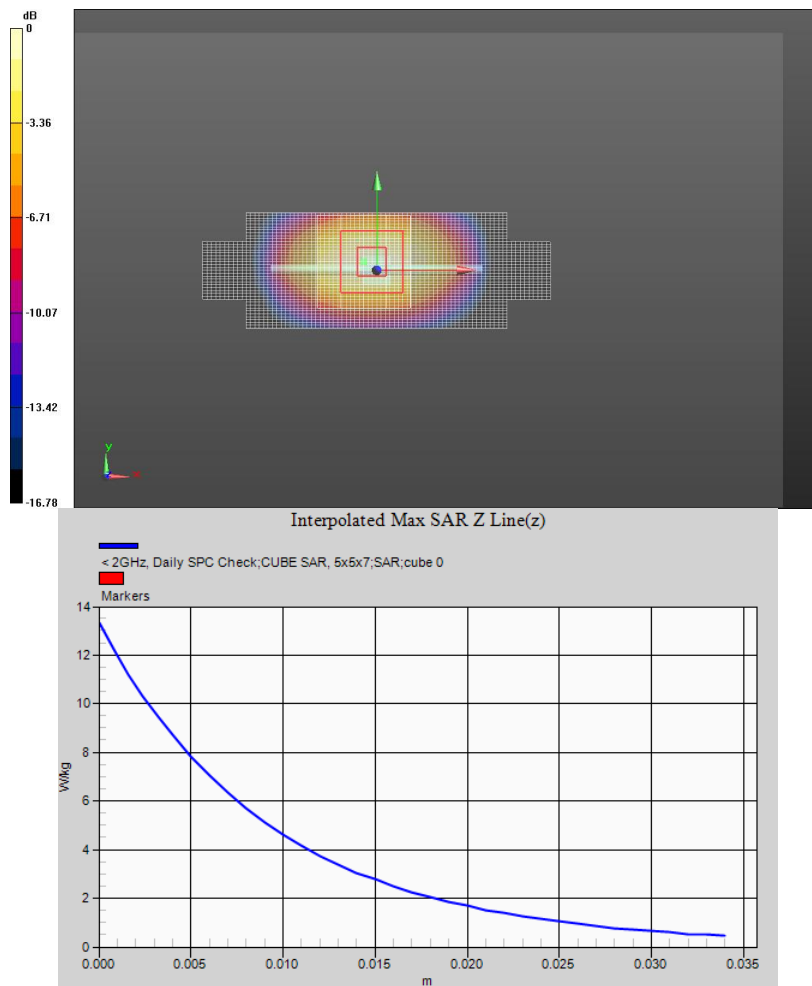
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 7.89 W/kg; SAR(10g) = 4.20 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 79.326 V/m, Power Drift = -0.025 dB

Averaged SAR: SAR(1g) = 7.79 W/kg; SAR(10g) = 4.15 W/kg



Date/Time: 4/12/2013 1:05:37 PM

DUT Serial: D1800V2 - SN:2d191

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.424$; $\epsilon_r = 49.41$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

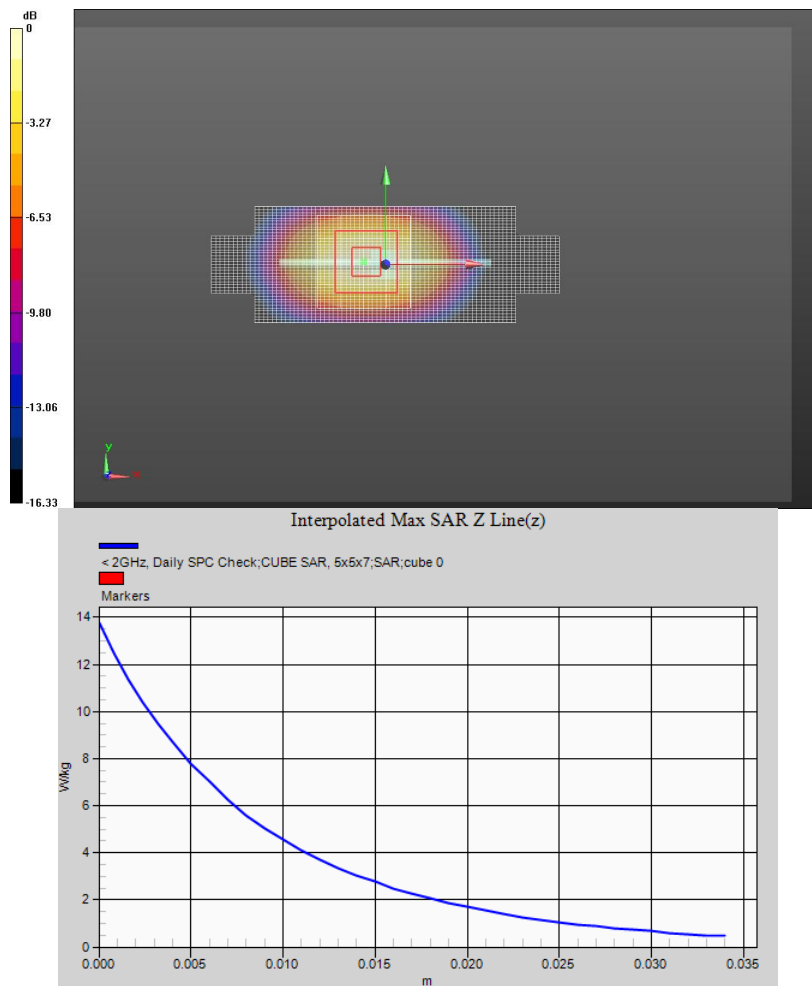
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 8.09 W/kg; SAR(10g) = 4.22 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 79.503 V/m, Power Drift = 0.00369 dB

Averaged SAR: SAR(1g) = 7.91 W/kg; SAR(10g) = 4.18 W/kg



Date/Time: 4/12/2013 6:11:25 PM

DUT Serial: D1800V2 - SN:259tr

DASY Configuration:

- Probe: ES3DV3 - SN3180; ConvF(4.78,4.78,4.78); Calibrated: 2/11/2013;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn656; Calibrated: 2/7/2013
- Phantom: R#-1, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.424$; $\epsilon_r = 49.41$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

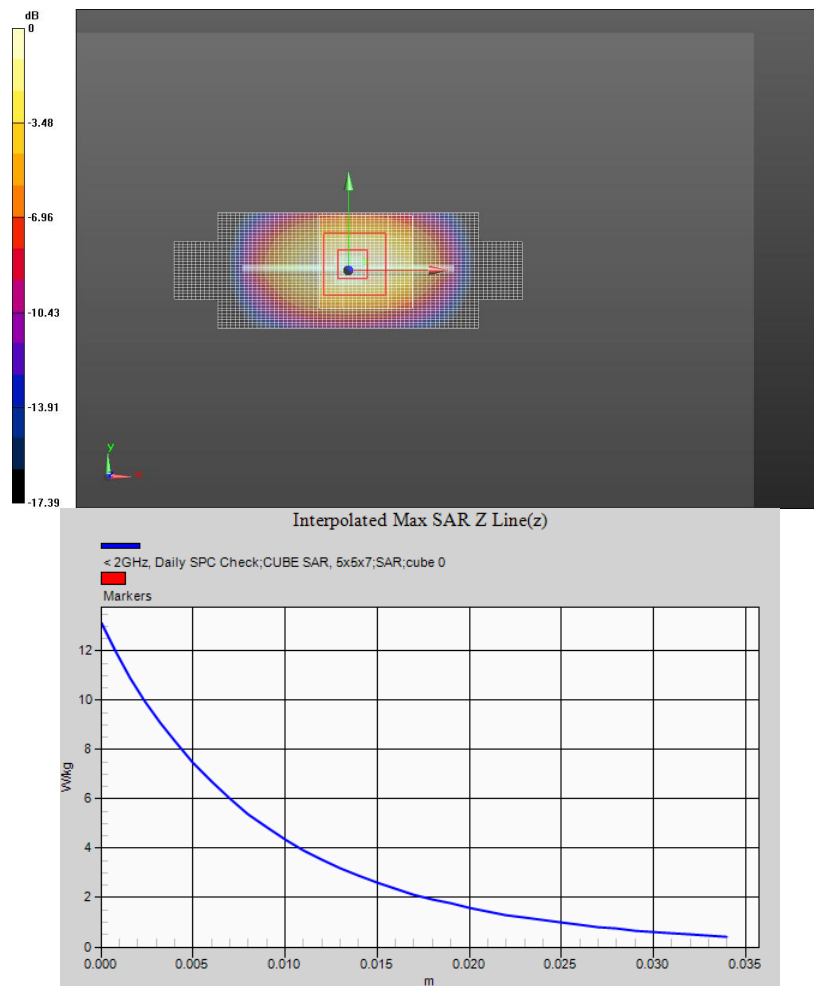
Interpolated grid: dx=1.000 mm, dy=1.500 mm

Fast SAR: SAR(1g) = 7.65 W/kg; SAR(10g) = 4.06 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 77.138 V/m, Power Drift = -0.00451 dB

Averaged SAR: SAR(1g) = 7.58 W/kg; SAR(10g) = 4.02 W/kg



Date/Time: 4/15/2013 12:49:08 PM

DUT Serial: D1800V2 - SN:2d190

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.436$; $\epsilon_r = 49.40$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

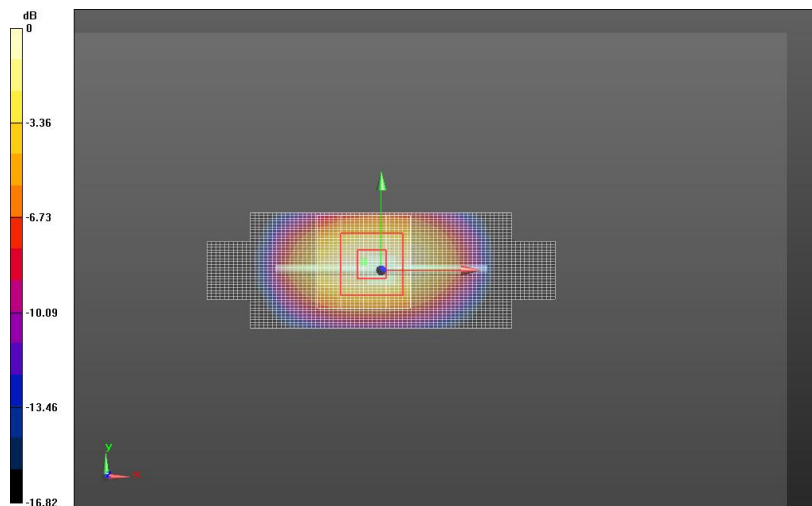
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 7.88 W/kg; SAR(10g) = 4.16 W/kg

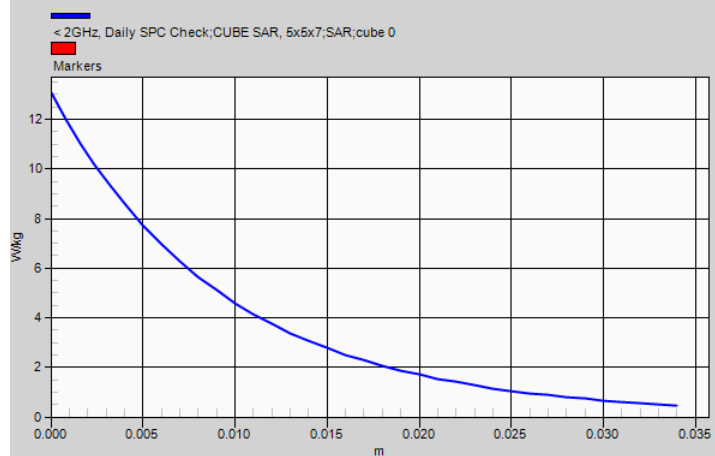
Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 77.999 V/m, Power Drift = 0.011 dB

Averaged SAR: SAR(1g) = 7.75 W/kg; SAR(10g) = 4.14 W/kg



Interpolated Max SAR Z Line(z)



Date/Time: 4/17/2013 2:30:42 PM

DUT Serial: D1800V2 - SN:259tr

DASY Configuration:

- Probe: ES3DV3 - SN3180; ConvF(4.78,4.78,4.78); Calibrated: 2/11/2013;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn656; Calibrated: 2/7/2013
- Phantom: R#-1, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _CW - Dipole; Communication System Band: CW for SAR Dipoles; Frequency: 1800 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.456$; $\epsilon_r = 48.94$ mho/m; $\rho = 1.000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

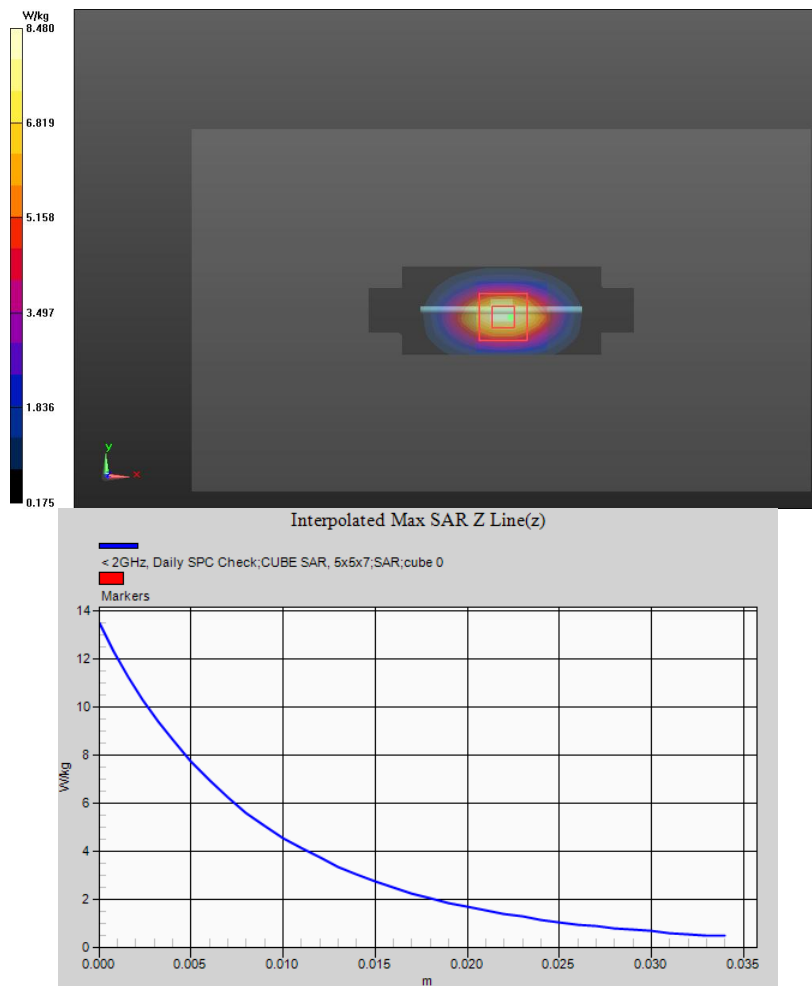
Interpolated grid: $dx=1.000$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 7.82 W/kg; SAR(10g) = 4.19 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 76.655 V/m, Power Drift = -0.025 dB

Averaged SAR: SAR(1g) = 7.72 W/kg; SAR(10g) = 4.13 W/kg



Date/Time: 3/23/2013 9:59:56 AM

DUT Serial: D2450V2 - SN:863; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.86,6.86,6.86); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2450 MHz; Channel: 11; Duty Cycle: 1:1.000

Medium Parameters used: $f=2450$ MHz; $\sigma = 2.014$; $\epsilon_r = 50.24$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

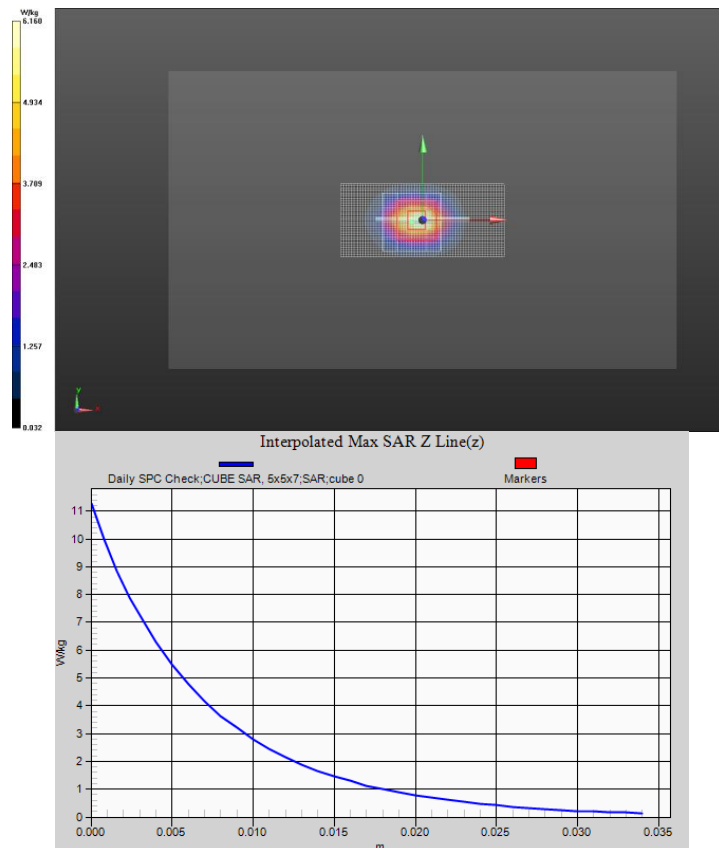
Fast SAR: SAR(1g) = 5.55 W/kg; SAR(10g) = 2.54 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 52.768 V/m, Power Drift = -0.023 dB

Averaged SAR: SAR(1g) = 5.35 W/kg; SAR(10g) = 2.49 W/kg



Date/Time: 3/25/2013 4:21:39 PM

DUT Serial: D2450V2 - SN:740; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.86,6.86,6.86); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2450 MHz; Channel: 11; Duty Cycle: 1:1.000

Medium Parameters used: $f=2450$ MHz; $\sigma = 1.970$; $\epsilon_r = 50.49$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

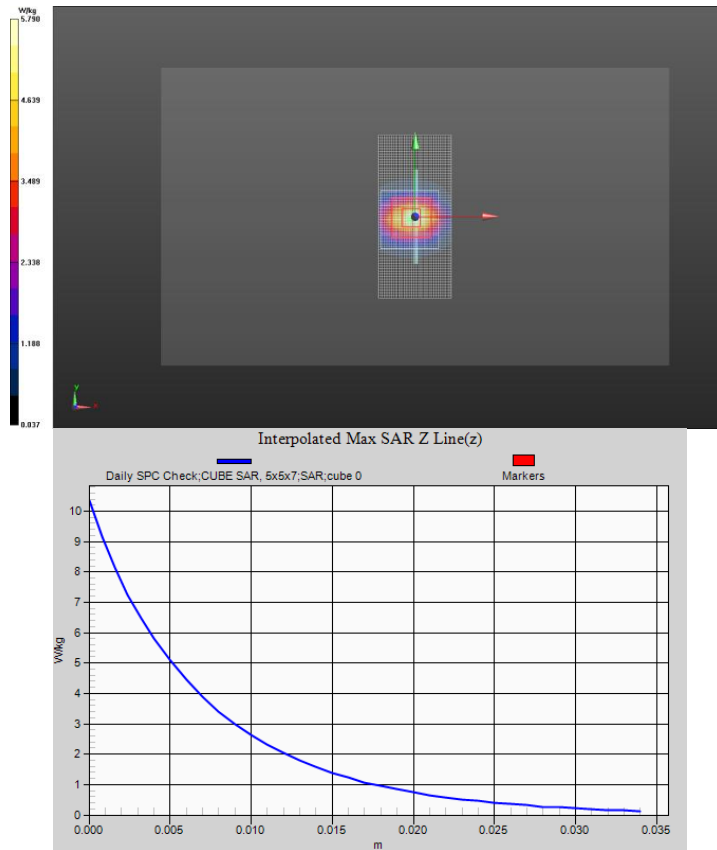
Fast SAR: SAR(1g) = 4.78 W/kg; SAR(10g) = 2.15 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 54.559 V/m, Power Drift = -0.086 dB

Averaged SAR: SAR(1g) = 5.02 W/kg; SAR(10g) = 2.34 W/kg



Date/Time: 3/15/2013 2:05:48 PM

DUT Serial: D2600V2 - SN:1055; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.60,6.60,6.60); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2600 MHz; Channel: 12; Duty Cycle: 1:1.000

Medium Parameters used: $f=2600$ MHz; $\sigma = 2.145$; $\epsilon_r = 50.22$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

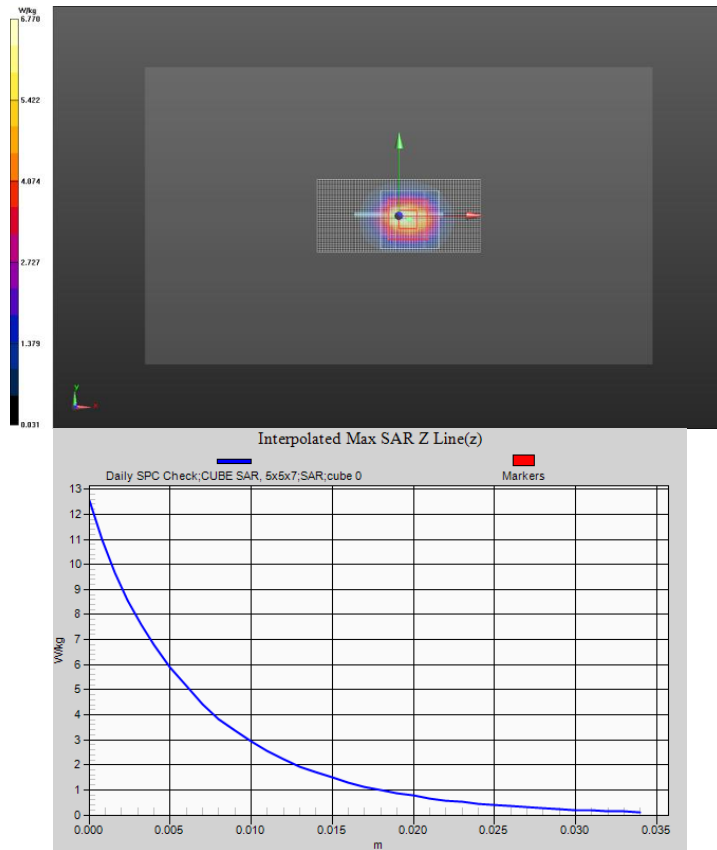
Fast SAR: SAR(1g) = 6.18 W/kg; SAR(10g) = 2.66 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 52.285 V/m, Power Drift = -0.032 dB

Averaged SAR: SAR(1g) = 5.87 W/kg; SAR(10g) = 2.62 W/kg



Date/Time: 3/20/2013 12:18:20 PM

DUT Serial: D2600V2 - SN:1055; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.60,6.60,6.60); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2600 MHz; Channel: 12; Duty Cycle: 1:1.000

Medium Parameters used: $f=2600$ MHz; $\sigma = 2.162$; $\epsilon_r = 50.01$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

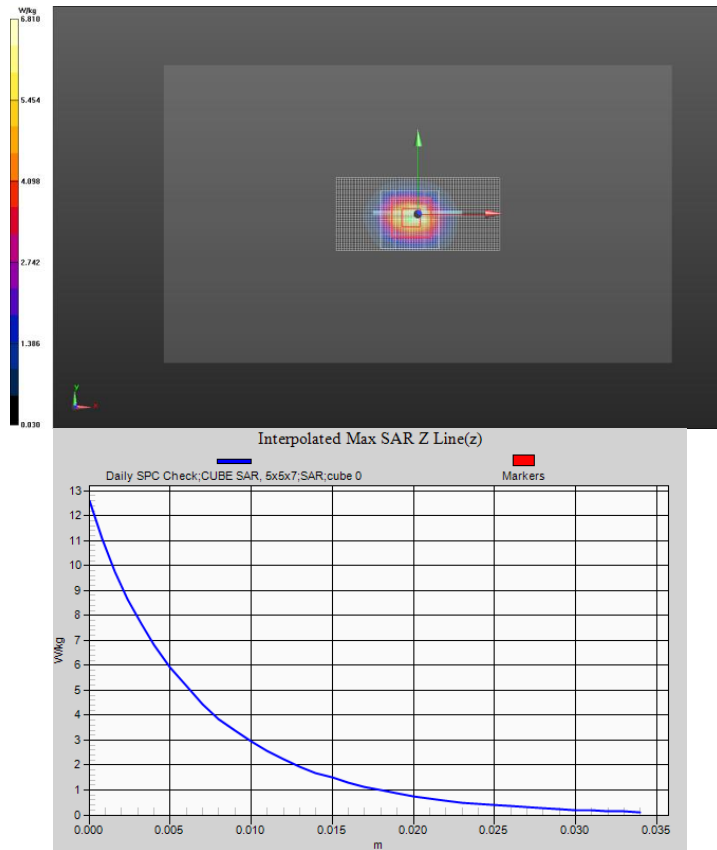
Fast SAR: SAR(1g) = 6.38 W/kg; SAR(10g) = 2.78 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 53.871 V/m, Power Drift = -0.195 dB

Averaged SAR: SAR(1g) = 5.89 W/kg; SAR(10g) = 2.63 W/kg



Date/Time: 4/2/2013 7:56:23 PM

DUT Serial: D2600V2 - SN:1054; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.60,6.60,6.60); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 2600 MHz; Channel: 12; Duty Cycle: 1:1.000

Medium Parameters used: $f=2600$ MHz; $\sigma = 2.158$; $\epsilon_r = 49.94$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (41x141x1):

Interpolated grid: dx=1.000 mm, dy=1.500 mm

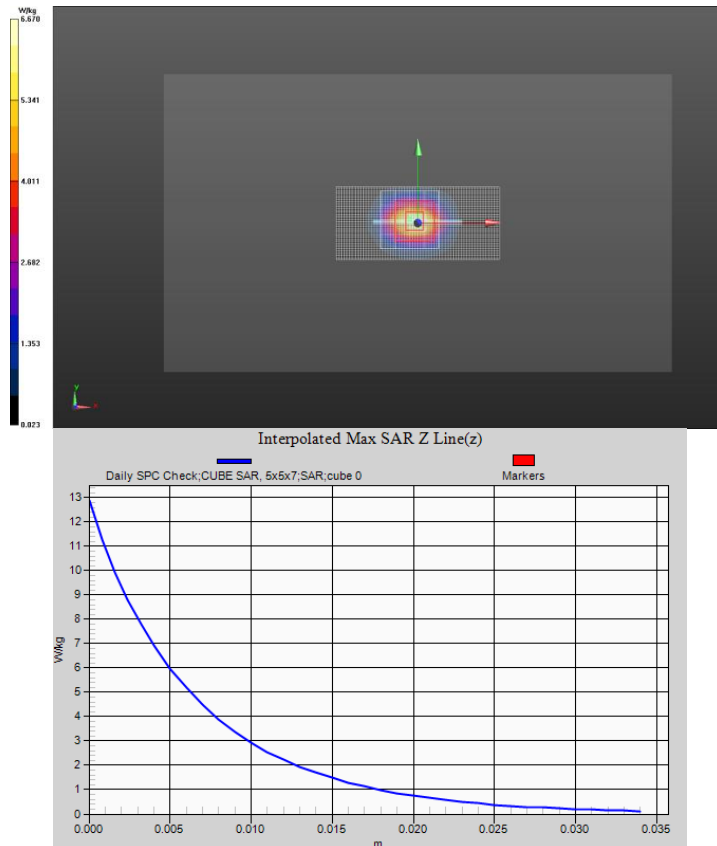
Fast SAR: SAR(1g) = 6.12 W/kg; SAR(10g) = 2.67 W/kg

Daily SPC Check/CUBE SAR, 5x5x7 (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 55.495 V/m, Power Drift = -0.157 dB

Averaged SAR: SAR(1g) = 5.92 W/kg; SAR(10g) = 2.62 W/kg



Date/Time: 3/27/2013 7:25:04 PM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(4.13,4.13,4.13); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5200 MHz; Channel: 15; Duty Cycle: 1:1.000

Medium Parameters used: $f=5200$ MHz; $\sigma = 5.341$; $\epsilon_r = 46.61$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (221x41x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

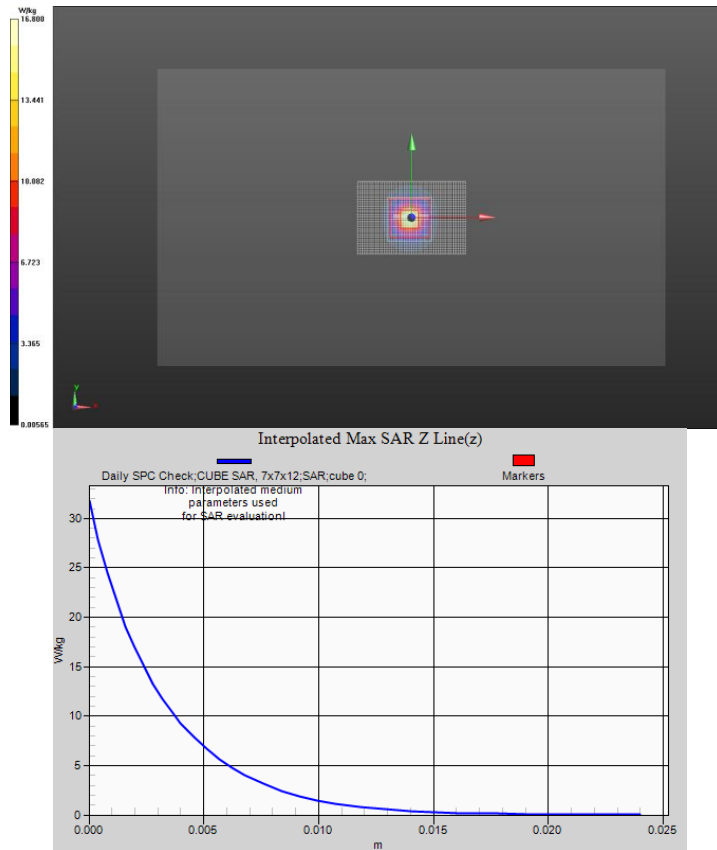
Fast SAR: SAR(1g) = 7.25 W/kg; SAR(10g) = 2.02 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 61.112 V/m, Power Drift = -0.080 dB

Averaged SAR: SAR(1g) = 7.94 W/kg; SAR(10g) = 2.23 W/kg



Date/Time: 3/29/2013 11:30:36 AM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(4.13,4.13,4.13); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5200 MHz; Channel: 15; Duty Cycle: 1:1.000

Medium Parameters used: $f=5200$ MHz; $\sigma = 5.339$; $\epsilon_r = 46.60$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (221x41x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

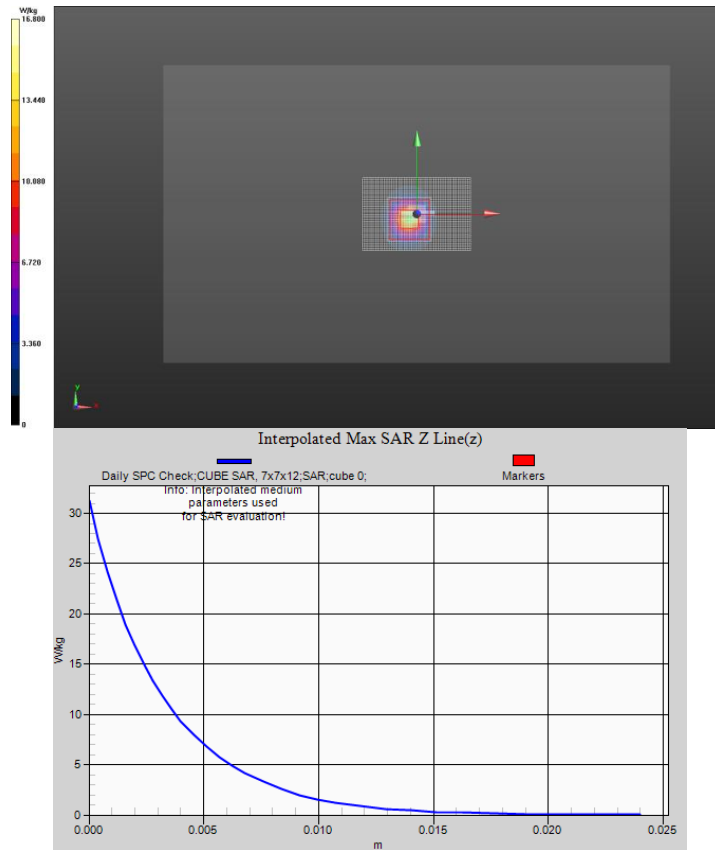
Fast SAR: SAR(1g) = 6.32 W/kg; SAR(10g) = 2.01 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 51.729 V/m, Power Drift = -0.069 dB

Averaged SAR: SAR(1g) = 7.92 W/kg; SAR(10g) = 2.22 W/kg



Date/Time: 3/29/2013 11:58:16 AM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(3.81,3.81,3.81); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5800 MHz; Channel: 20; Duty Cycle: 1:1.000

Medium Parameters used: $f=5800$ MHz; $\sigma = 6.220$; $\epsilon_r = 45.04$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (221x41x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

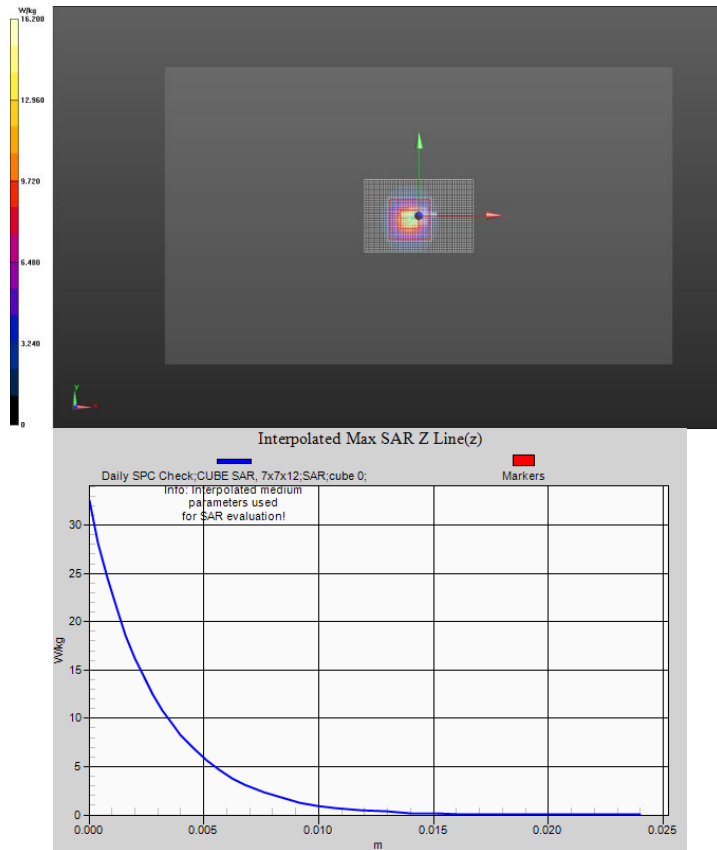
Fast SAR: SAR(1g) = 6.02 W/kg; SAR(10g) = 1.87 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 47.185 V/m, Power Drift = -0.194 dB

Averaged SAR: SAR(1g) = 7.38 W/kg; SAR(10g) = 2.06 W/kg



Date/Time: 3/30/2013 10:20:02 AM

DUT Serial: D5GHzV2 - SN:1088; FCC ID: IHDT56PA2

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(3.81,3.81,3.81); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: CW for SAR Dipoles; Frequency: 5800 MHz; Channel: 20; Duty Cycle: 1:1.000

Medium Parameters used: $f=5800$ MHz; $\sigma = 6.242$; $\epsilon_r = 44.60$ mho/m; $\rho = 1000$ kg/m³

Daily SPC Check/fastSAR, Dipole Area Scan (221x41x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

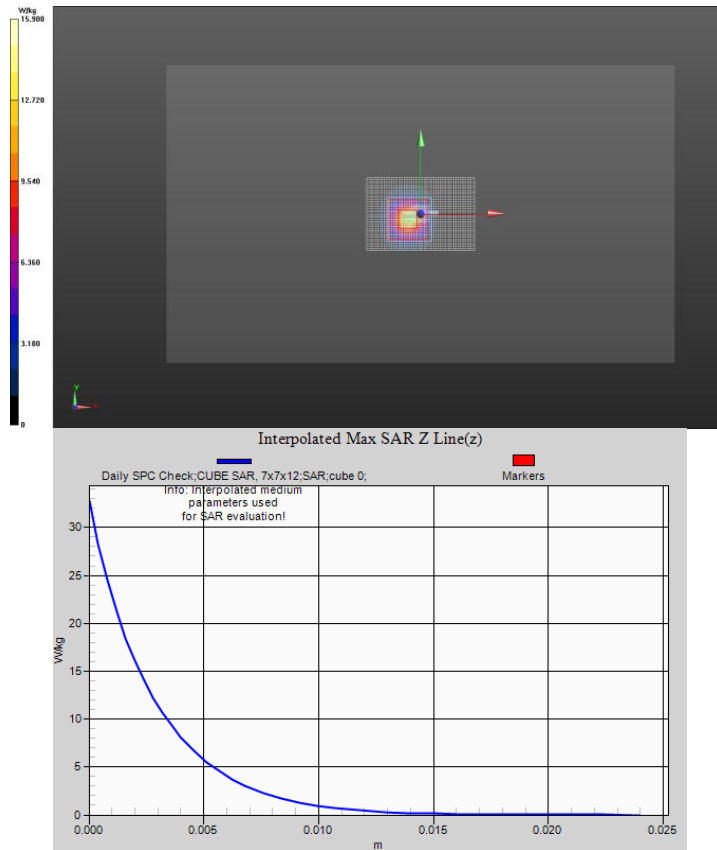
Fast SAR: SAR(1g) = 5.88 W/kg; SAR(10g) = 1.84 W/kg

Daily SPC Check/CUBE SAR, 7x7x12 (31x31x31)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 41.057 V/m, Power Drift = -0.111 dB

Averaged SAR: SAR(1g) = 7.26 W/kg; SAR(10g) = 2.02 W/kg



Appendix 2

SAR Distribution Plots for Head-Adjacent Test Results

Date/Time: 4/12/2013 11:25:30 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0066; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.01,6.01,6.01); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Sugar SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1235
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _GPRS Class 12; Communication System Band: 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium Parameters used: $f=848.8$ MHz; $\sigma = 0.9422$; $\epsilon_r = 42.65$ mho/m; $\rho = 1.000$ kg/m³

Right Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

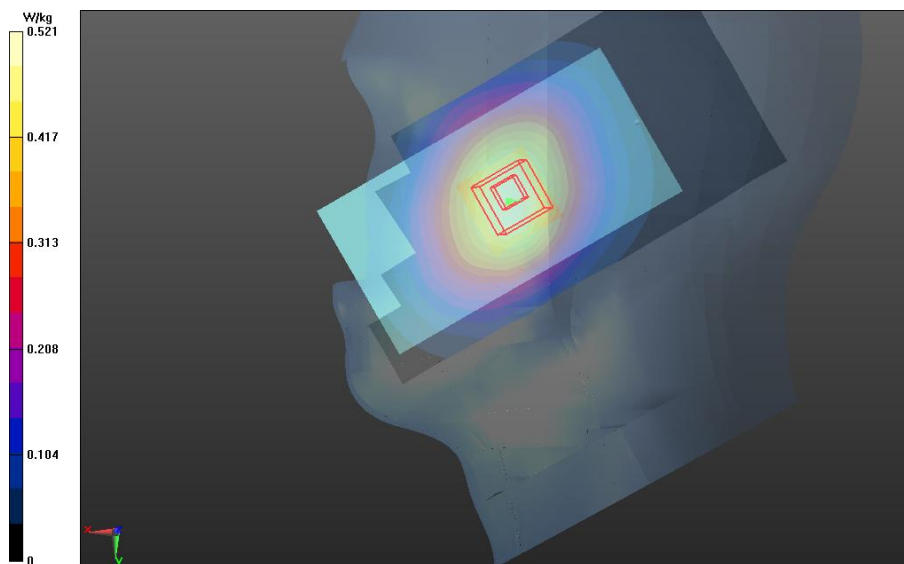
Fast SAR: SAR(1g) = 0.504 W/kg; SAR(10g) = 0.345 W/kg

Right Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 23.033 V/m, Power Drift = -0.135 dB

Averaged SAR: SAR(1g) = 0.503 W/kg; SAR(10g) = 0.375 W/kg



Right Head Template

Date/Time: 4/10/2013 4:24:22 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0066; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(5.07,5.07,5.07); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1136
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _GSM; Communication System Band: GSM 1900; Frequency: 1850 MHz; Duty Cycle: 1:8.300

Medium Parameters used: $f=1850.2$ MHz; $\sigma = 1.358$; $\epsilon_r = 43.45$ mho/m; $\rho = 1.000$ kg/m³

Right Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

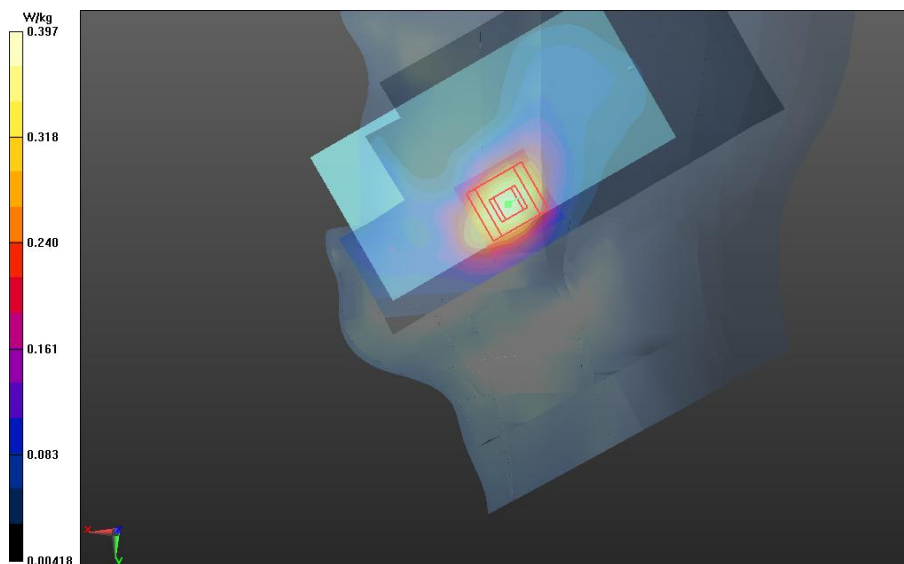
Fast SAR: SAR(1g) = 0.368 W/kg; SAR(10g) = 0.210 W/kg

Right Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 13.106 V/m, Power Drift = 0.321 dB

Averaged SAR: SAR(1g) = 0.364 W/kg; SAR(10g) = 0.224 W/kg



Right Head Template

Date/Time: 4/9/2013 5:36:19 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0017; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.01,6.01,6.01); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Sugar SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1235
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-850, Band 5; Frequency: 826.4 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=826.4$ MHz; $\sigma = 0.9294$; $\epsilon_r = 43.51$ mho/m; $\rho = 1.000$ kg/m³

Left Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

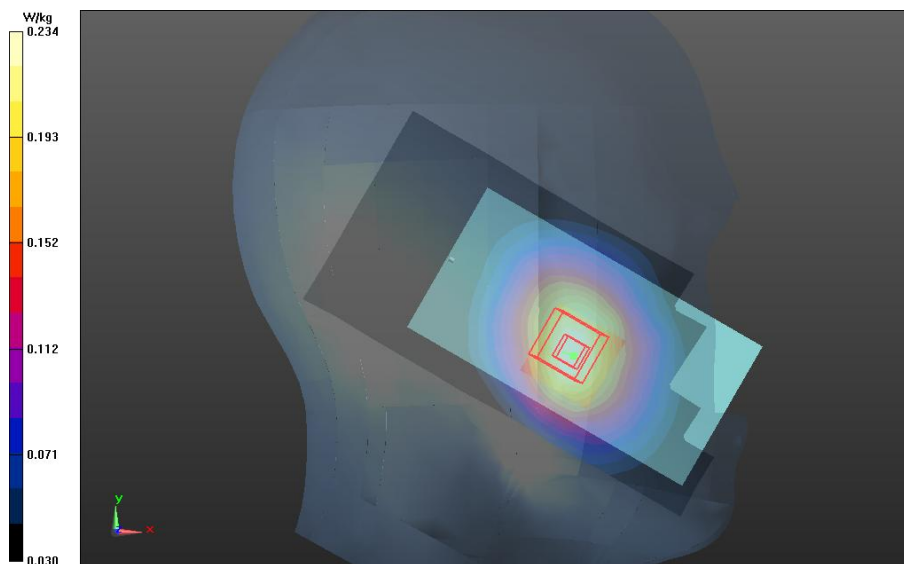
Fast SAR: SAR(1g) = 0.218 W/kg; SAR(10g) = 0.149 W/kg

Left Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 16.463 V/m, Power Drift = -0.060 dB

Averaged SAR: SAR(1g) = 0.223 W/kg; SAR(10g) = 0.168 W/kg



Left Head Template

Date/Time: 4/8/2013 8:30:42 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0020; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(5.15,5.15,5.15); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1162
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-1700, Band 4; Frequency: 1752 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1752$ MHz; $\sigma = 1.349$; $\epsilon_r = 42.22$ mho/m; $\rho = 1.000$ kg/m³

Left Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

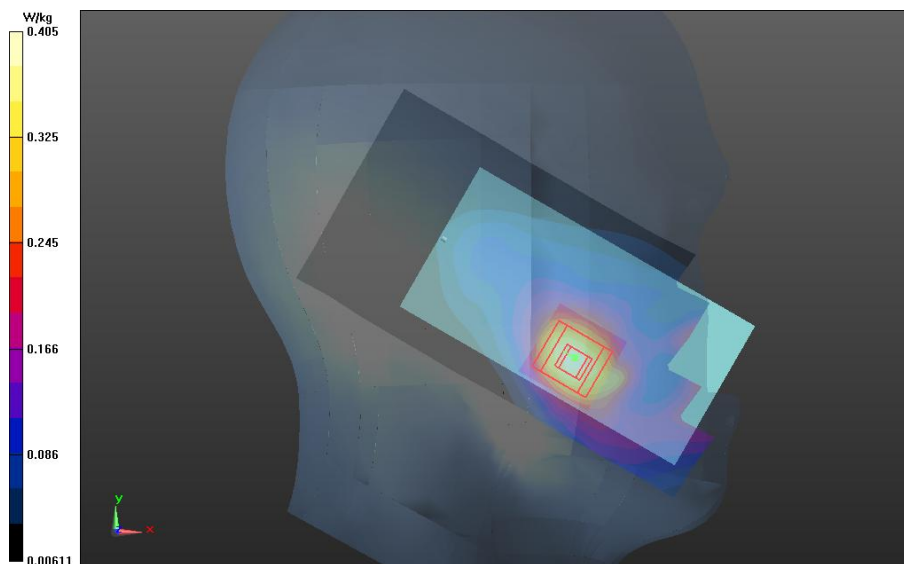
Fast SAR: SAR(1g) = 0.364 W/kg; SAR(10g) = 0.211 W/kg

Left Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 15.245 V/m, Power Drift = -0.127 dB

Averaged SAR: SAR(1g) = 0.377 W/kg; SAR(10g) = 0.234 W/kg



Left Head Template

Date/Time: 4/10/2013 11:21:16 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0017; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(5.07,5.07,5.07); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1136
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-1900, Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.389$; $\epsilon_r = 43.45$ mho/m; $\rho = 1.000$ kg/m³

Right Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

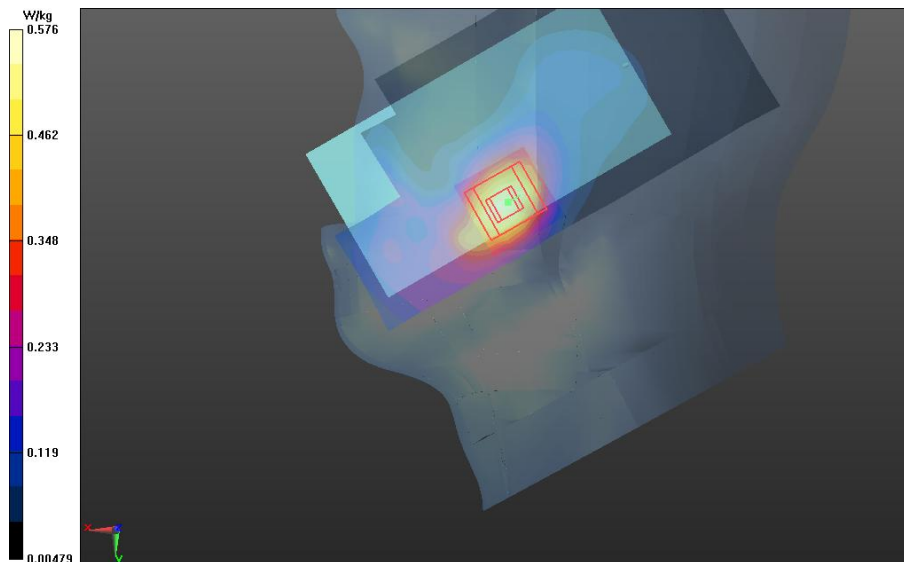
Fast SAR: SAR(1g) = 0.537 W/kg; SAR(10g) = 0.305 W/kg

Right Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 15.003 V/m, Power Drift = 0.357 dB

Averaged SAR: SAR(1g) = 0.525 W/kg; SAR(10g) = 0.325 W/kg



Right Head Template

Date/Time: 4/9/2013 9:12:39 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0034; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(5.15,5.15,5.15); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1162
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 02; Communication System Band: Band 2: 20 MHz BW;
Frequency: 1880 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=1880$ MHz; $\sigma = 1.433$; $\epsilon_r = 42.73$ mho/m; $\rho = 1.000$ kg/m³

Right Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

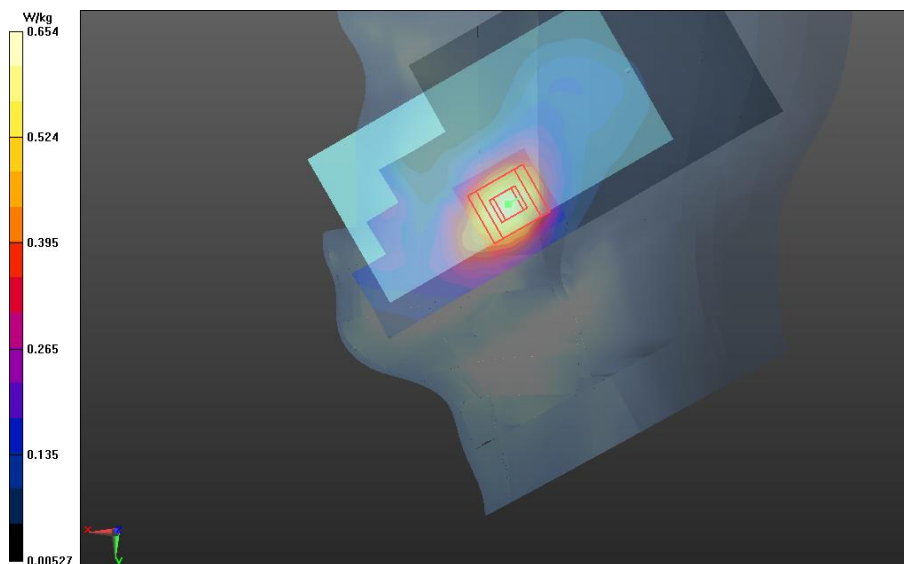
Fast SAR: SAR(1g) = 0.589 W/kg; SAR(10g) = 0.338 W/kg

Right Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 17.053 V/m, Power Drift = 0.079 dB

Averaged SAR: SAR(1g) = 0.594 W/kg; SAR(10g) = 0.359 W/kg



Right Head Template

Date/Time: 4/18/2013 3:01:18 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0020; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3180; ConvF(5.01,5.01,5.01); Calibrated: 2/11/2013;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn656; Calibrated: 2/7/2013
- Phantom: R#1 - Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1319
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 04; Communication System Band: Band 4: 20 MHz BW;
Frequency: 1733 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=1732.5$ MHz; $\sigma = 1.350$; $\epsilon_r = 43.00$ mho/m; $\rho = 1.000$ kg/m³

Left Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

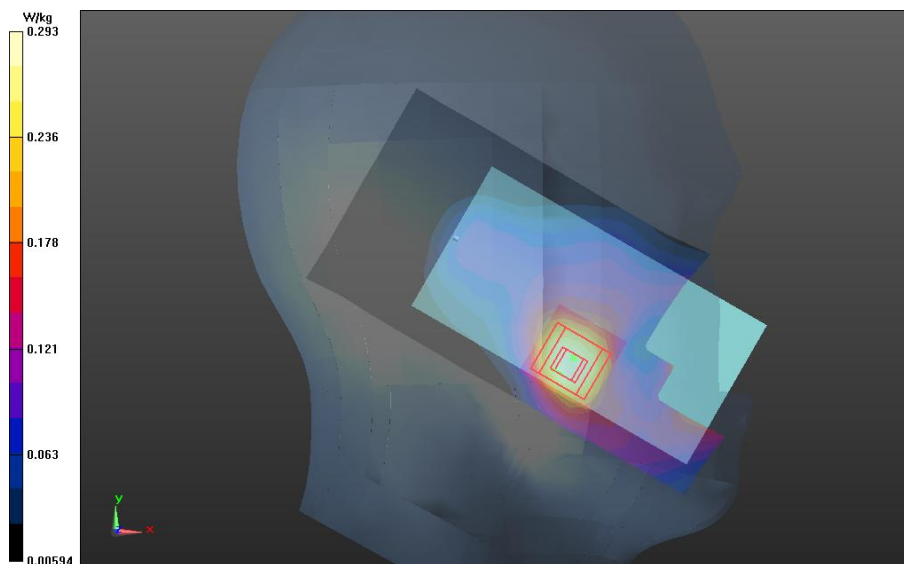
Fast SAR: SAR(1g) = 0.276 W/kg; SAR(10g) = 0.164 W/kg

Left Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 13.087 V/m, Power Drift = -0.105 dB

Averaged SAR: SAR(1g) = 0.281 W/kg; SAR(10g) = 0.175 W/kg



Left Head Template

Date/Time: 4/10/2013 9:40:54 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0034; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(6.46,6.46,6.46); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1162
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 17; Communication System Band: Band 17: 10 MHz BW;
Frequency: 710.0 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=710$ MHz; $\sigma = 0.8652$; $\epsilon_r = 42.94$ mho/m; $\rho = 1.000$ kg/m³

Left Head Template/15mm, Area Scan (61x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

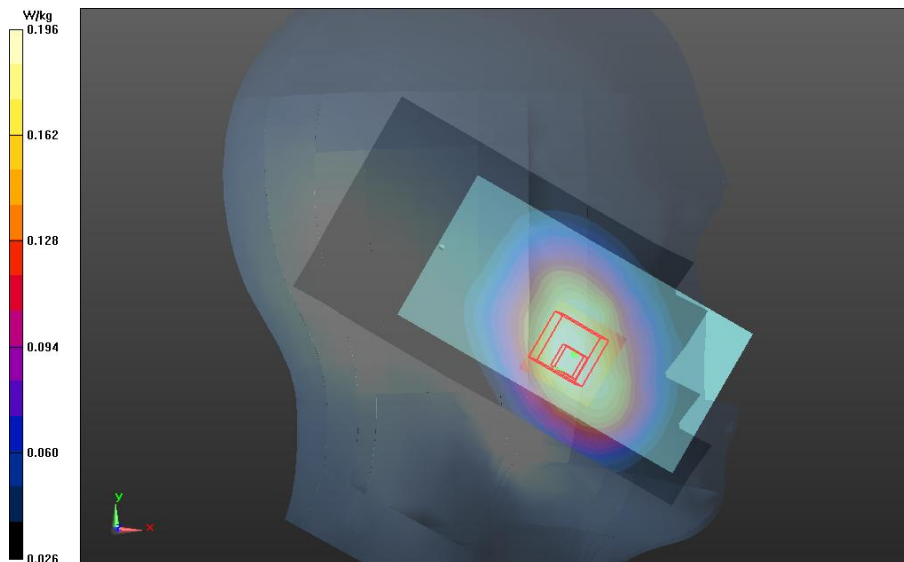
Fast SAR: SAR(1g) = 0.198 W/kg; SAR(10g) = 0.137 W/kg

Left Head Template/5x5x7 Zoom Scan (0.6-2GHz) (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 15.640 V/m, Power Drift = -0.329 dB

Averaged SAR: SAR(1g) = 0.193 W/kg; SAR(10g) = 0.143 W/kg



Left Head Template

Date/Time: 3/21/2013 5:49:05 PM

Test Laboratory: Motorola Mobility - 2450MHz WI-FI**DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2; Antenna Position: Internal;****Battery Model #: SNN5923A; Device Position: Cheek****DASY Configuration:**

- Probe: EX3DV4 - SN3730; ConvF(6.90,6.90,6.90); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#3, 2450 WiFi SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1153
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 2450MHz WIFI; Frequency: 2437 MHz; Channel: 6; Duty Cycle: 1:1.000; Radio Configuration: 802.11b Mode, 1 Mbps Data Rate

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.799$; $\epsilon_r = 37.21$ mho/m; $\rho = 1000$ kg/m³

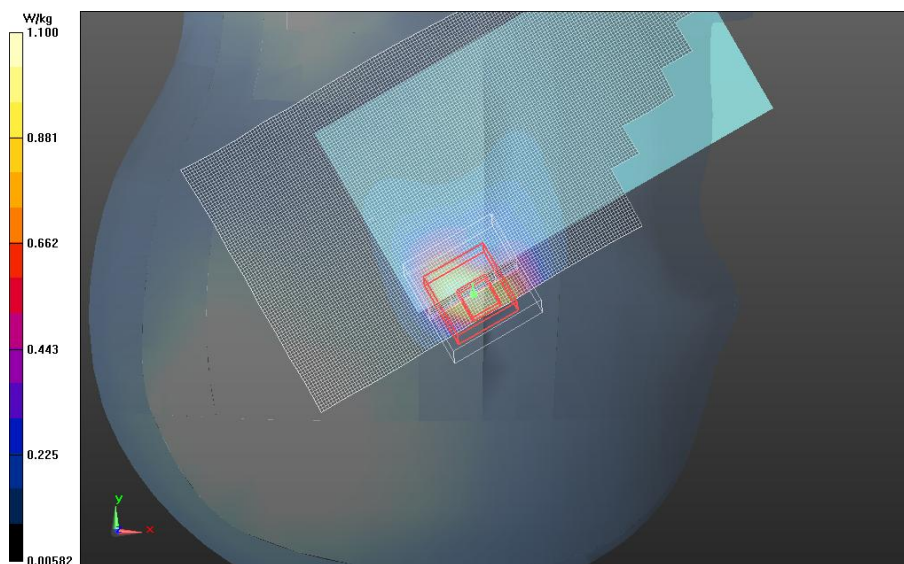
Right Head Template/10mm, Area Scan (91x241x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Fast SAR: SAR(1g) = 0.906 W/kg; SAR(10g) = 0.433 W/kg

Right Head Template/5x5x7 Zoom Scan (<=3GHz) (21x21x36)/Cube 0:**Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm**

Reference Value = 12.817 V/m, Power Drift = -0.066 dB

Averaged SAR: SAR(1g) = 0.965 W/kg; SAR(10g) = 0.430 W/kg

**Right Head Template**

Date/Time: 3/28/2013 1:33:17 PM

Test Laboratory: Motorola Mobility - 5210 MHz WI-FI**DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2;** Antenna Position: Internal;
Battery Model #: SNN5923A; Device Position: Cheek**DASY Configuration:**

- Probe: EX3DV4 - SN3730; ConvF(4.90,4.90,4.90); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#3, 5GHz SAM, REV.2 (13nov12); Type: SAM; Serial: TP-1106
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 5210 MHz Sub-Band; Frequency: 5180 MHz; Channel: 36; Duty Cycle: 1:1.000; Radio Configuration: 802.11a Mode, 6 Mbps Data Rate

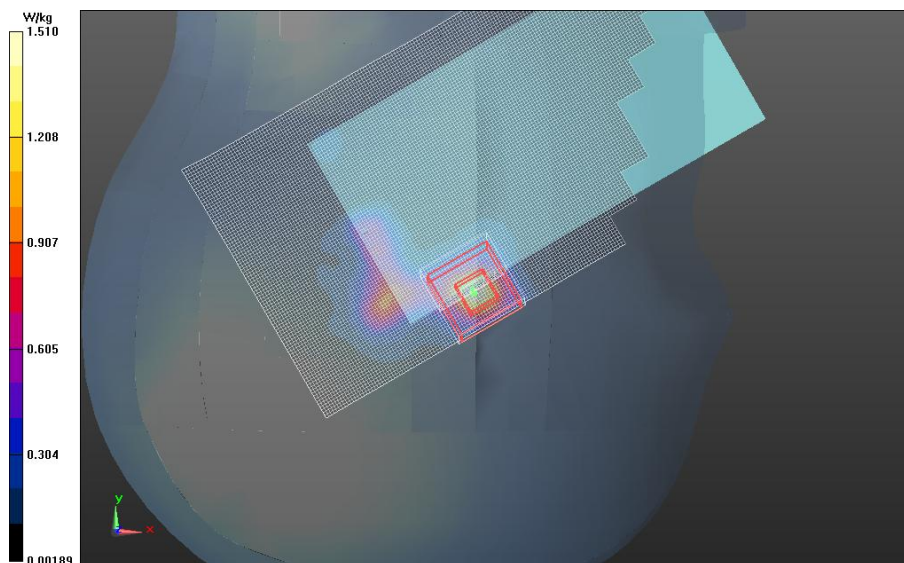
Medium Parameters used: $f=5180$ MHz; $\sigma = 4.634$; $\epsilon_r = 34.47$ mho/m; $\rho = 1000$ kg/m³**Right Head Template/Area Scan - Normal (10mm) (91x211x1):****Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Fast SAR: SAR(1g) = 0.712 W/kg; SAR(10g) = 0.222 W/kg

Right Head Template/7x7x12 Zoom Scan (5-6GHz) (31x31x31)/Cube 0:**Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm**

Reference Value = 12.398 V/m, Power Drift = -0.159 dB

Averaged SAR: SAR(1g) = 0.744 W/kg; SAR(10g) = 0.226 W/kg

**Right Head Template**

Date/Time: 3/28/2013 2:41:03 PM

Test Laboratory: Motorola Mobility - 5785 MHz WI-FI**DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2; Antenna Position: Internal****Battery Model #: SNN5923A; Device Position: Cheek****DASY Configuration:**

- Probe: EX3DV4 - SN3730; ConvF(4.24,4.24,4.24); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#3, 5GHz SAM, REV.2 (13nov12); Type: SAM; Serial: TP-1106
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 5785 MHz Sub-Band; Frequency: 5785 MHz; Channel: 157; Duty Cycle: 1:1.000; Radio Configuration: 802.11a Mode, 6 Mbps Data Rate

Medium Parameters used: $f=5785$ MHz; $\sigma = 5.332$; $\epsilon_r = 33.04$ mho/m; $\rho = 1000$ kg/m³

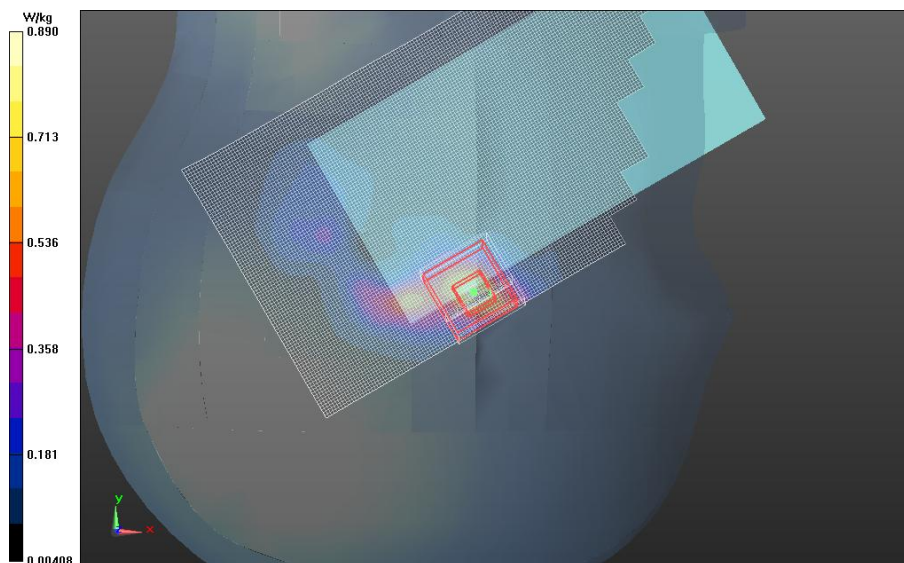
Right Head Template/Area Scan - Normal (10mm) (91x211x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Fast SAR: SAR(1g) = 0.402 W/kg; SAR(10g) = 0.136 W/kg

Right Head Template/7x7x12 Zoom Scan (5-6GHz) (31x31x31)/Cube 0:**Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm**

Reference Value = 8.317 V/m, Power Drift = -0.117 dB

Averaged SAR: SAR(1g) = 0.419 W/kg; SAR(10g) = 0.142 W/kg

**Right Head Template**

Date/Time: 7/25/2013 12:13:09 PM

Test Lab: Motorola Mobility

DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Cheek

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.9,6.9,6.9); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#3, 2450 WiFi SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1153
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.8 (7028)

Communication System: _Bluetooth (0); Communication System Band: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.000

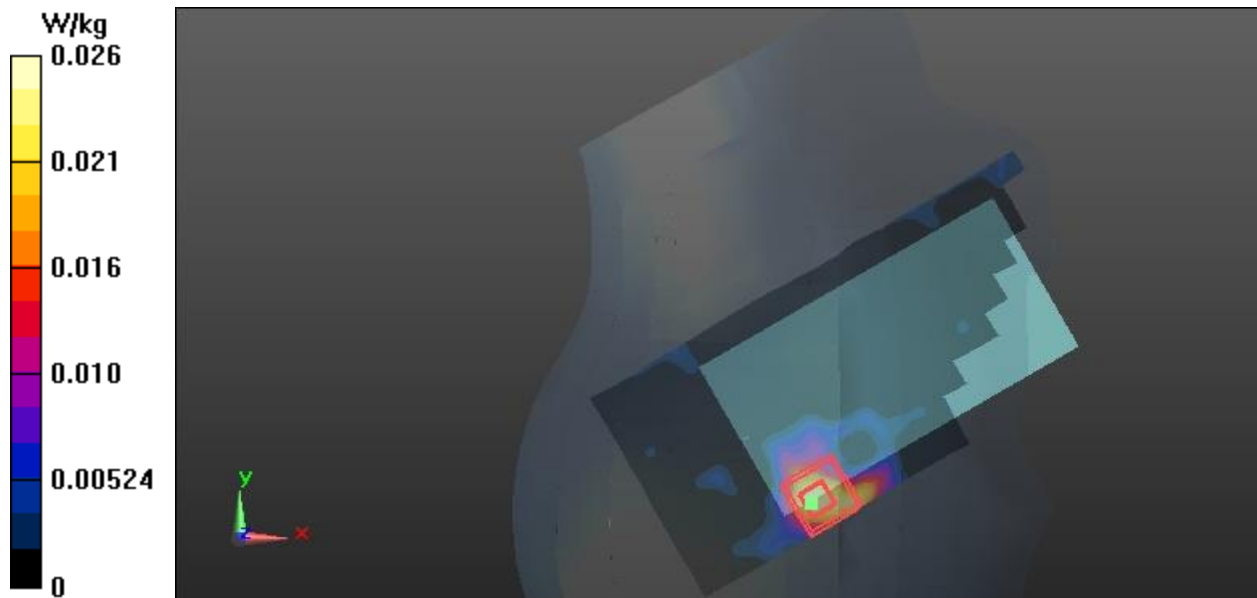
Medium Parameters used: $f=2441$ MHz; $\sigma = 1.764$; $\epsilon_r = 43.27$ mho/m; $\rho = 1.000$ kg/m³

2-3GHz Right Head Template/10mm, Area Scan (91x241x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 1.328 V/m, Power Drift = -0.86 dB

Fast SAR: SAR(1g) = 0.0226 W/kg; SAR(10g) = 0.0112 W/kg



2-3GHz Right Head Template

Appendix 3

SAR Distribution Plots for Body-Worn Accessory Test Results

Date/Time: 7/23/2013 6:32:26 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0066; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Front of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(5.07,5.07,5.07); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.8 (7028)

Communication System: _GPRS Class 12 (0); Communication System Band: 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium Parameters used: $f=848.8$ MHz; $\sigma = 1.006$; $\epsilon_r = 53.93$ mho/m; $\rho = 1.000$ kg/m³

0.6-2GHz Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

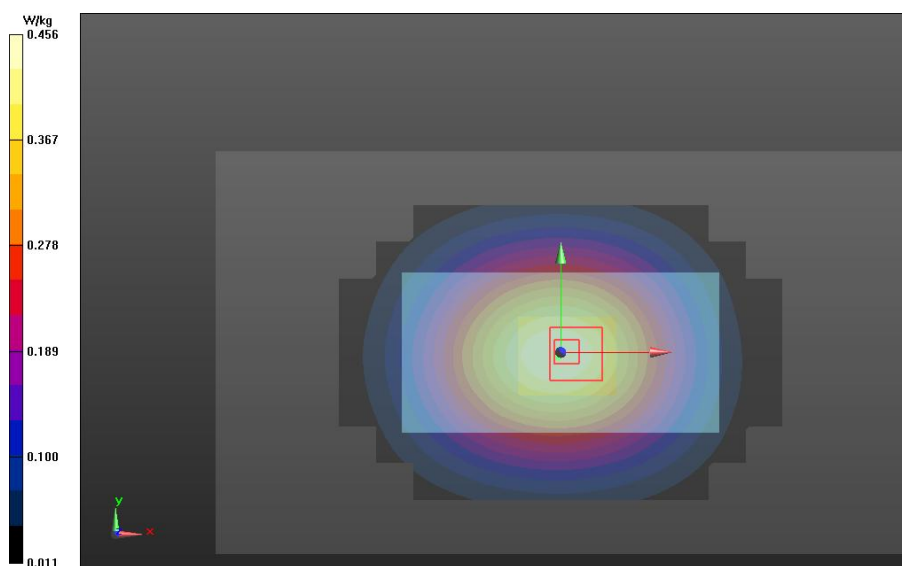
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Fast SAR: SAR(1g) = 0.429 W/kg; SAR(10g) = 0.302 W/kg

0.6-2GHz Triple Flat Phone Template/5x5x7 Zoom Scan (0.6-2GHz) (26x21x36)/Cube 0: Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 21.031 V/m, Power Drift = 0.030 dB

Averaged SAR: SAR(1g) = 0.422 W/kg; SAR(10g) = 0.316 W/kg



Triple Flat Phone Template

Date/Time: 4/11/2013 1:26:01 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0066; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _GSM; Communication System Band: GSM 1900; Frequency: 1850 MHz; Duty Cycle: 1:8.300

Medium Parameters used: $f=1850.2$ MHz; $\sigma = 1.502$; $\epsilon_r = 53.54$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

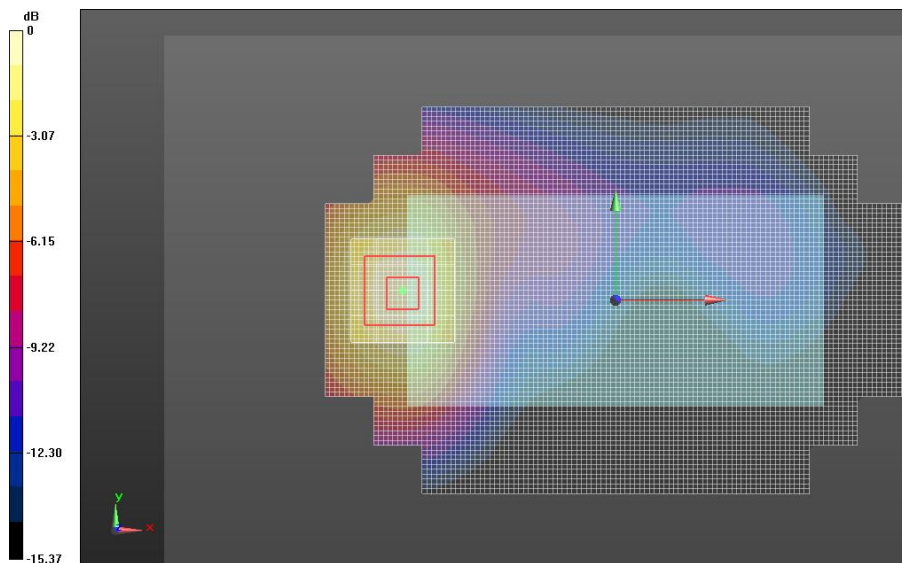
Fast SAR: SAR(1g) = 0.289 W/kg; SAR(10g) = 0.169 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 13.560 V/m, Power Drift = -0.031 dB

Averaged SAR: SAR(1g) = 0.290 W/kg; SAR(10g) = 0.178 W/kg



Triple Flat Phone Template

Date/Time: 4/9/2013 11:26:42 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0017; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Front of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-850, Band 5; Frequency: 826.4 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=826.4$ MHz; $\sigma = 0.9927$; $\epsilon_r = 55.02$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

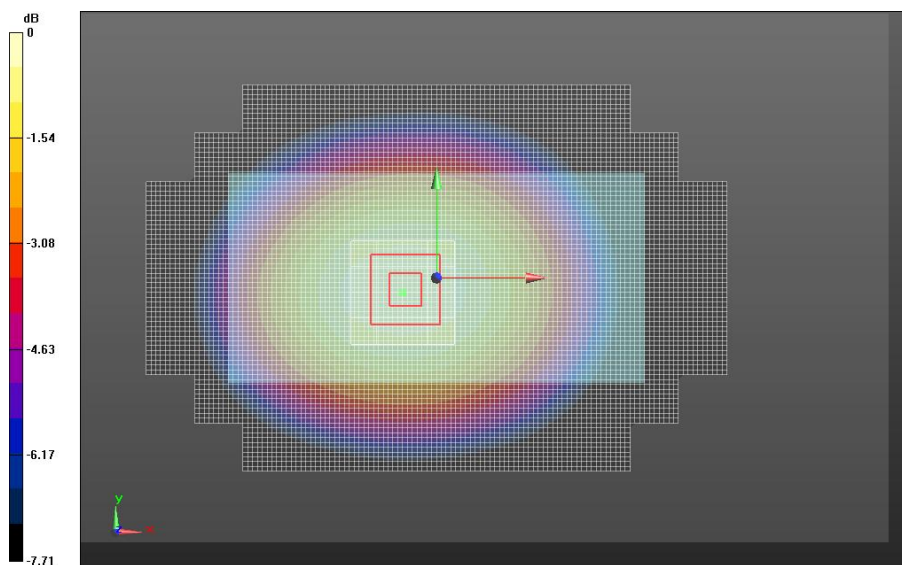
Fast SAR: SAR(1g) = 0.205 W/kg; SAR(10g) = 0.144 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 14.914 V/m, Power Drift = -0.018 dB

Averaged SAR: SAR(1g) = 0.205 W/kg; SAR(10g) = 0.155 W/kg



Triple Flat Phone Template

Date/Time: 4/8/2013 11:52:57 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0020; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-1700, Band 4; Frequency: 1752 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1752$ MHz; $\sigma = 1.502$; $\epsilon_r = 54.86$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

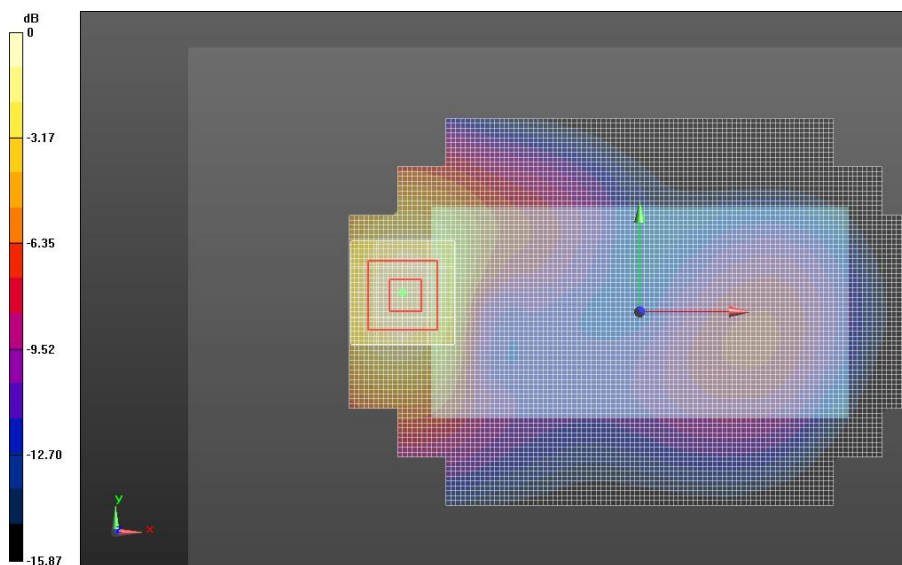
Fast SAR: SAR(1g) = 0.373 W/kg; SAR(10g) = 0.221 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 16.450 V/m, Power Drift = -0.064 dB

Averaged SAR: SAR(1g) = 0.374 W/kg; SAR(10g) = 0.229 W/kg



Triple Flat Phone Template

Date/Time: 4/10/2013 1:44:23 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0017; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-1900, Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.531$; $\epsilon_r = 53.63$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

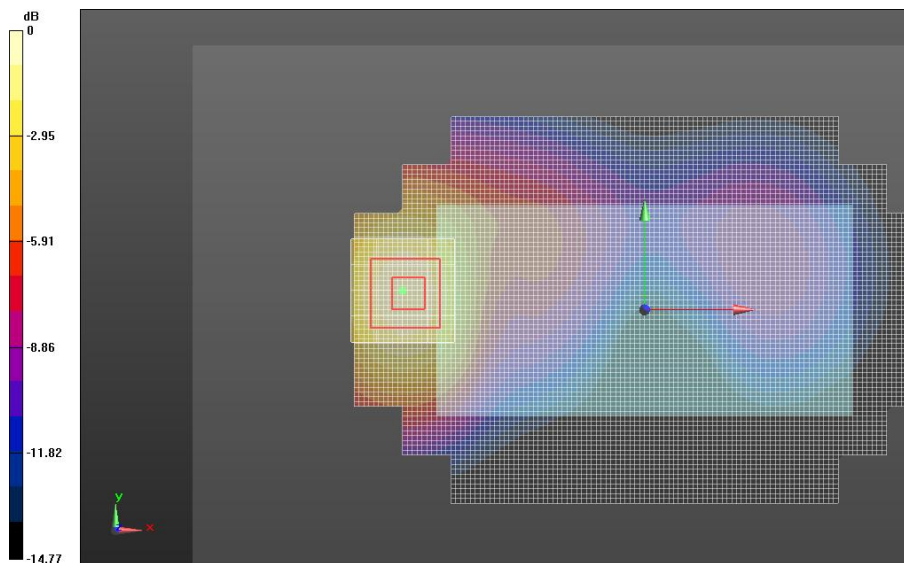
Fast SAR: SAR(1g) = 0.466 W/kg; SAR(10g) = 0.272 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 18.444 V/m, Power Drift = -0.025 dB

Averaged SAR: SAR(1g) = 0.471 W/kg; SAR(10g) = 0.289 W/kg



Triple Flat Phone Template

Date/Time: 4/10/2013 1:01:22 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0034; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 02; Communication System Band: Band 2: 20 MHz BW;
Frequency: 1880 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=1880$ MHz; $\sigma = 1.531$; $\epsilon_r = 53.63$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

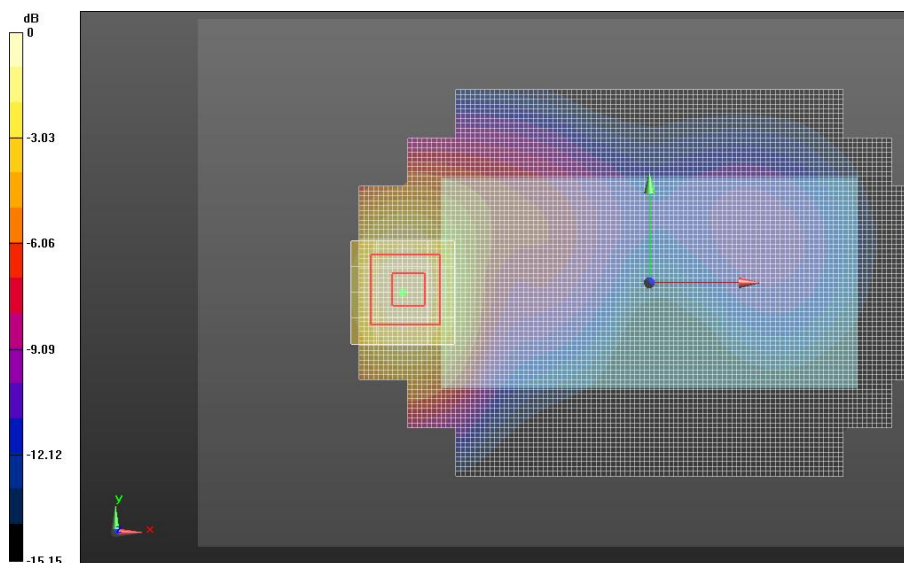
Fast SAR: SAR(1g) = 0.613 W/kg; SAR(10g) = 0.355 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 21.261 V/m, Power Drift = -0.036 dB

Averaged SAR: SAR(1g) = 0.615 W/kg; SAR(10g) = 0.371 W/kg



Triple Flat Phone Template

Date/Time: 4/18/2013 8:58:08 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0020; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3180; ConvF(4.78,4.78,4.78); Calibrated: 2/11/2013;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn656; Calibrated: 2/7/2013
- Phantom: R#-1, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 04; Communication System Band: Band 4: 20 MHz BW;
Frequency: 1733 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=1732.5$ MHz; $\sigma = 1.506$; $\epsilon_r = 54.60$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

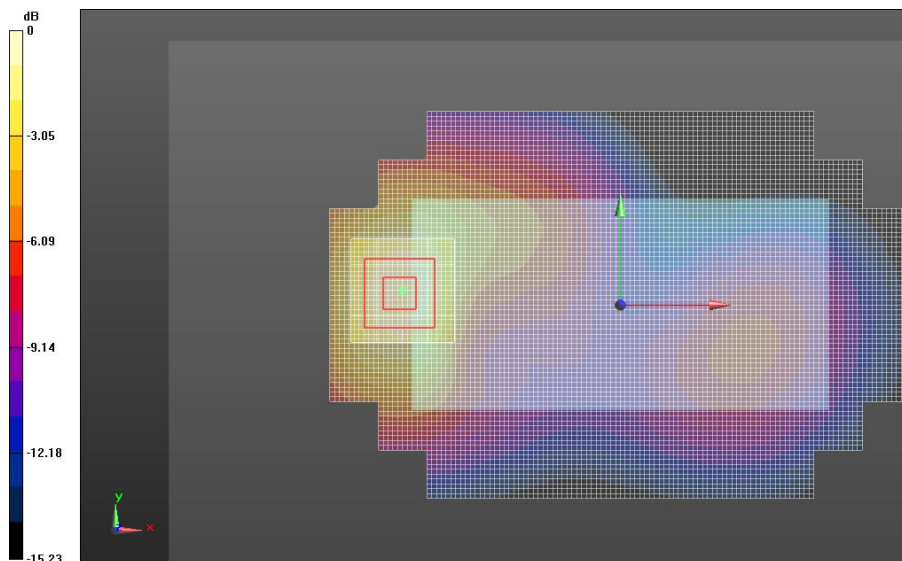
Fast SAR: SAR(1g) = 0.353 W/kg; SAR(10g) = 0.211 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 15.410 V/m, Power Drift = -0.125 dB

Averaged SAR: SAR(1g) = 0.355 W/kg; SAR(10g) = 0.219 W/kg



Triple Flat Phone Template

Date/Time: 4/10/2013 5:56:14 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0034; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(6.22,6.22,6.22); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 17; Communication System Band: Band 17: 10 MHz BW;
Frequency: 710.0 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=710$ MHz; $\sigma = 0.9502$; $\epsilon_r = 53.74$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

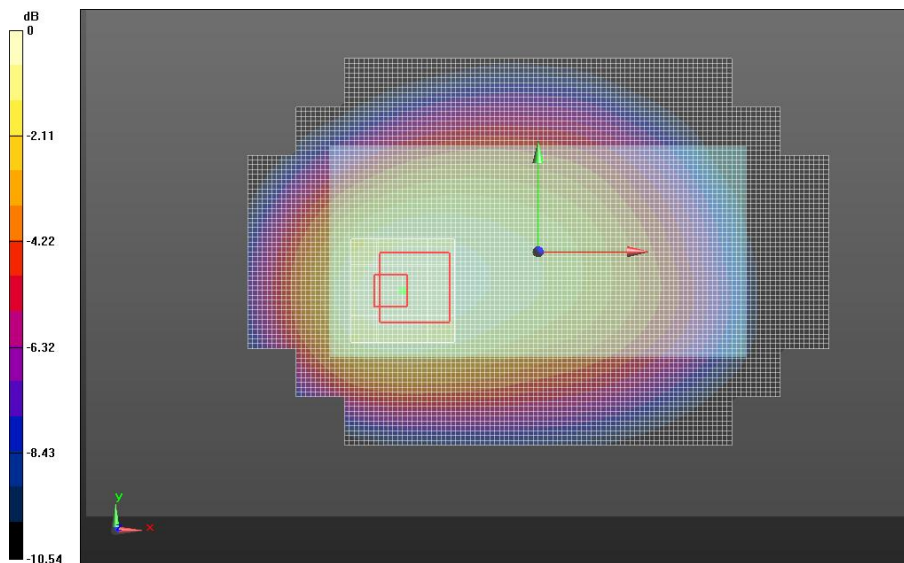
Fast SAR: SAR(1g) = 0.0636 W/kg; SAR(10g) = 0.0446 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 8.258 V/m, Power Drift = -0.173 dB

Averaged SAR: SAR(1g) = 0.063 W/kg; SAR(10g) = 0.0446 W/kg



Triple Flat Phone Template

Date/Time: 3/25/2013 7:34:09 PM

Test Laboratory: Motorola Mobility - 2450MHz WI-FI**DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2**

Procedure Notes: Power Step: N/A; Antenna Position: Internal; Accessory Model #: N/A
Battery Model #: SNN5923A; Device Position: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.86,6.86,6.86); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 2450MHz WIFI; Frequency: 2437 MHz; Channel: 6; Duty Cycle: 1:1.000; Radio Configuration: 802.11b mode, 1 Mbps data rate

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.953$; $\epsilon_r = 50.51$ mho/m; $\rho = 1000$ kg/m³

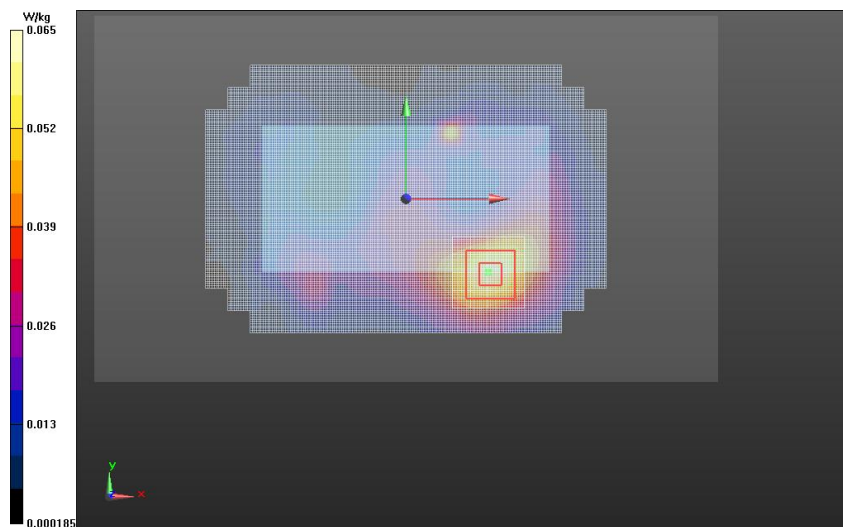
Triple Flat Phone Template/Area Scan (10mm) (261x141x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Fast SAR: SAR(1g) = 0.0588 W/kg; SAR(10g) = 0.0327 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan (<=3GHz) (21x21x36)/Cube 0:**Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm**

Reference Value = 5.614 V/m, Power Drift = -0.0013 dB

Averaged SAR: SAR(1g) = 0.0602 W/kg; SAR(10g) = 0.0348 W/kg

**Triple Flat Phone Template**

Date/Time: 3/28/2013 2:40:55 AM

Test Laboratory: Motorola Mobility - 5210 MHz WI-FI**DUT Serial: LXAA1W0032; FCC ID: IHDT56PA22**

Procedure Notes: Power Step: N/A; Antenna Position: Internal; Accessory Model #: N/A
 Battery Model #: SNN5923A; Device Position: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(4.13,4.13,4.13); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 5210 MHz Sub-Band; Frequency: 5180 MHz; Channel: 36; Duty Cycle: 1:1.000; Radio Configuration: 802.11a mode, 6 Mbps data rate

Medium Parameters used: $f=5180$ MHz; $\sigma = 5.319$; $\epsilon_r = 46.67$ mho/m; $\rho = 1000$ kg/m³

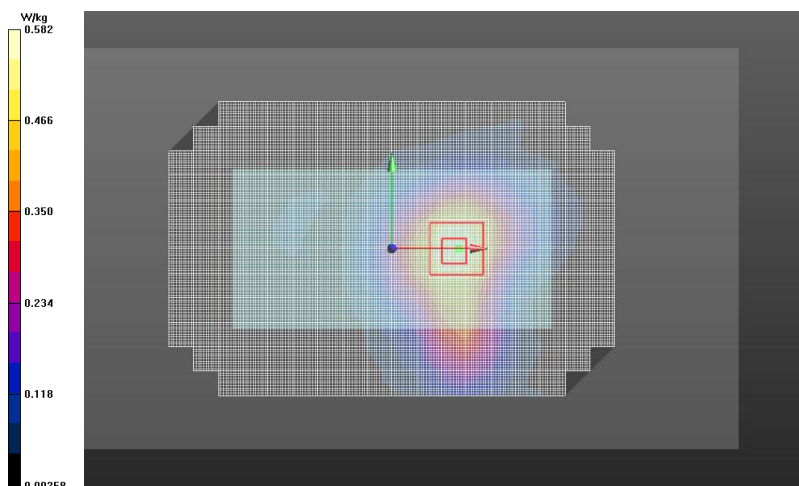
TRIPLE Flat Phone Against Flat Section/Area Scan - Body (10mm) (281x161x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Fast SAR: SAR(1g) = 0.312 W/kg; SAR(10g) = 0.142 W/kg

TRIPLE Flat Phone Against Flat Section/7x7x12 Zoom Scan (5-6GHz) (31x31x31)/Cube 0:**Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm**

Reference Value = 10.110 V/m, Power Drift = 0.150 dB

Averaged SAR: SAR(1g) = 0.330 W/kg; SAR(10g) = 0.151 W/kg

**TRIPLE Flat Phone Against Flat Section**

Date/Time: 3/29/2013 1:00:31 PM

Test Laboratory: Motorola Mobility - 5785 MHz WI-FI**DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2**

Procedure Notes: Power Step: N/A; Antenna Position: Internal; Accessory Model #: N/A
Battery Model #: SNN5923A; Device Position: Body Worn, Back of Phone 25 mm from Phantom

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(3.81,3.81,3.81); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 5785 MHz Sub-Band; Frequency: 5785 MHz; Channel: 157; Duty Cycle: 1:1.000; Radio Configuration: 802.11a mode, 6 Mbps data rate

Medium Parameters used: $f=5785$ MHz; $\sigma = 6.192$; $\epsilon_r = 45.08$ mho/m; $\rho = 1000$ kg/m³

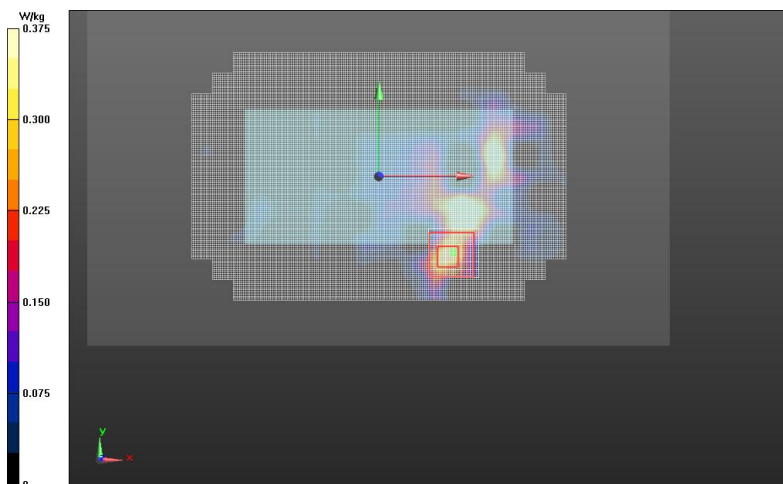
TRIPLE Flat Phone Against Flat Section/Area Scan - Body (10mm) (281x161x1):**Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Fast SAR: SAR(1g) = 0.239 W/kg; SAR(10g) = 0.0836 W/kg

TRIPLE Flat Phone Against Flat Section/7x7x12 Zoom Scan (5-6GHz) (31x31x31)/Cube 0:**Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm**

Reference Value = 7.276 V/m, Power Drift = -0.006 dB

Averaged SAR: SAR(1g) = 0.189 W/kg; SAR(10g) = 0.0625 W/kg

**TRIPLE Flat Phone Against Flat Section**

Appendix 4

SAR Distribution Plots for Mobile Hotspot Test Results

Date/Time: 4/11/2013 5:49:37 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0066; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Front of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _GPRS Class 12; Communication System Band: 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium Parameters used: $f=836.6$ MHz; $\sigma = 0.9988$; $\epsilon_r = 54.65$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

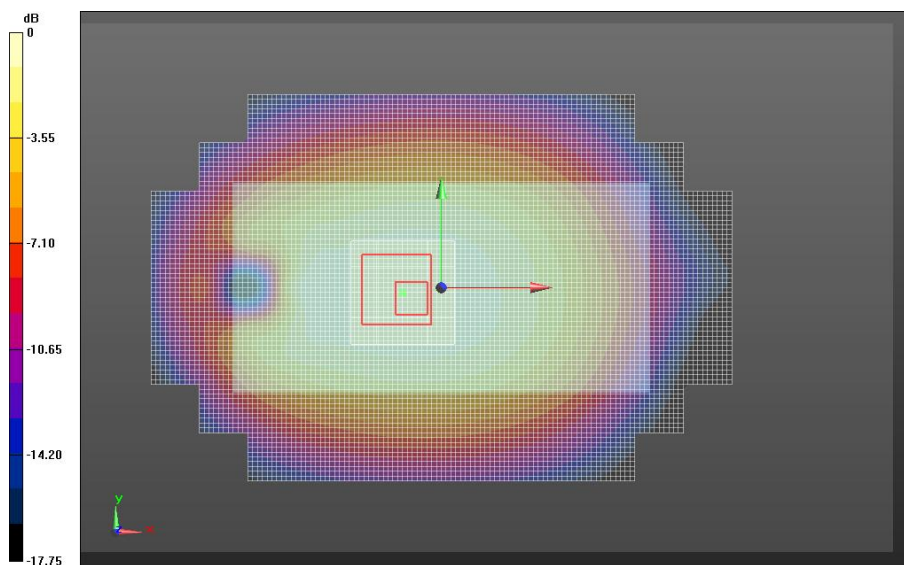
Fast SAR: SAR(1g) = 0.400 W/kg; SAR(10g) = 0.282 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 20.817 V/m, Power Drift = 0.066 dB

Averaged SAR: SAR(1g) = 0.412 W/kg; SAR(10g) = 0.306 W/kg



Triple Flat Phone Template

Date/Time: 4/15/2013 5:16:57 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0066; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Bottom Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _GPRS Class 12; Communication System Band: 1900 MHz; Frequency: 1850 MHz; Duty Cycle: 1:2.075

Medium Parameters used: $f=1850.2$ MHz; $\sigma = 1.491$; $\epsilon_r = 54.03$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (10mm) (261x141x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

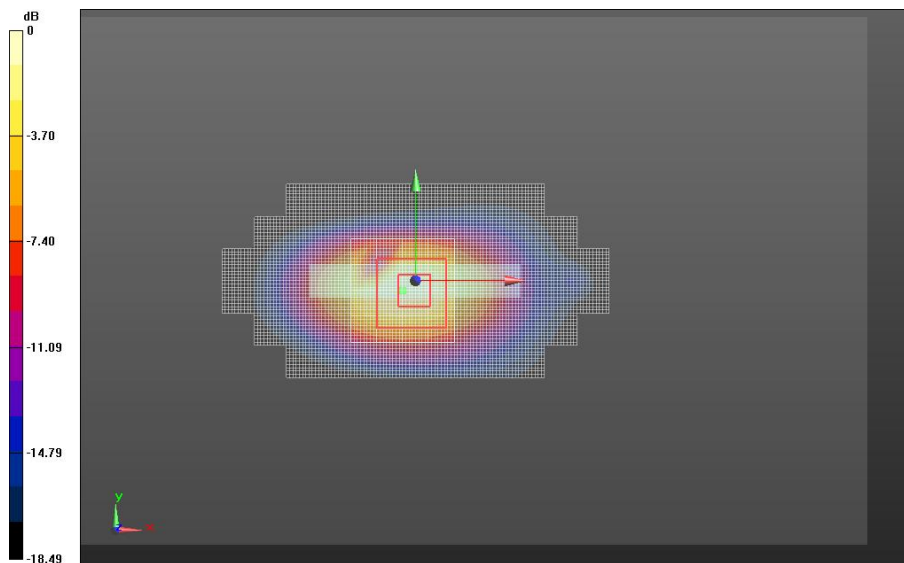
Fast SAR: SAR(1g) = 0.919 W/kg; SAR(10g) = 0.453 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 22.531 V/m, Power Drift = -0.067 dB

Averaged SAR: SAR(1g) = 0.868 W/kg; SAR(10g) = 0.427 W/kg



Triple Flat Phone Template

Date/Time: 4/13/2013 4:22:28 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0017; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Back of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.02,6.02,6.02); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-850, Band 5; Frequency: 826.4 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=826.4$ MHz; $\sigma = 0.9918$; $\epsilon_r = 54.32$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

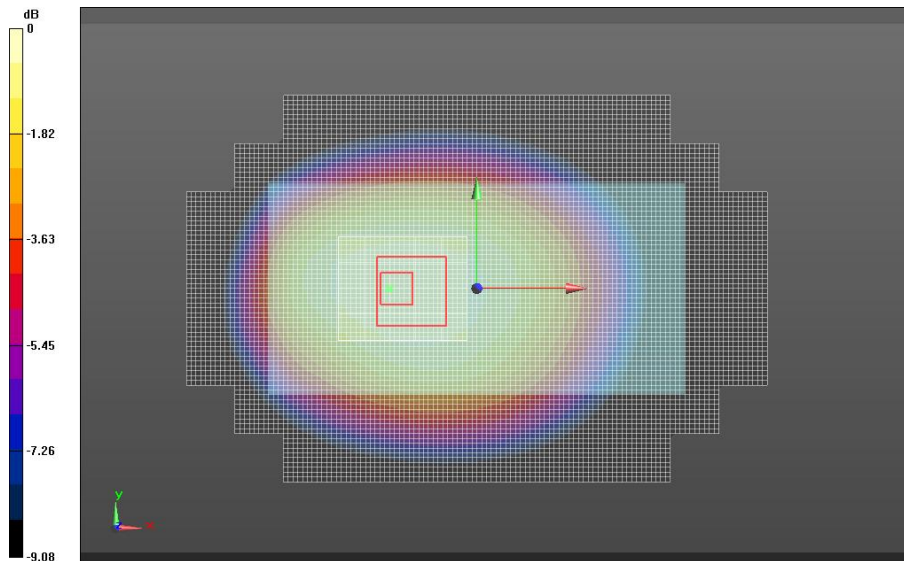
Fast SAR: SAR(1g) = 0.356 W/kg; SAR(10g) = 0.251 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (26x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 19.590 V/m, Power Drift = -0.00384 dB

Averaged SAR: SAR(1g) = 0.355 W/kg; SAR(10g) = 0.271 W/kg



Triple Flat Phone Template

Date/Time: 4/12/2013 7:49:03 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0020; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Bottom Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-1700, Band 4; Frequency: 1752 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1752$ MHz; $\sigma = 1.521$; $\epsilon_r = 54.70$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (10mm) (261x141x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

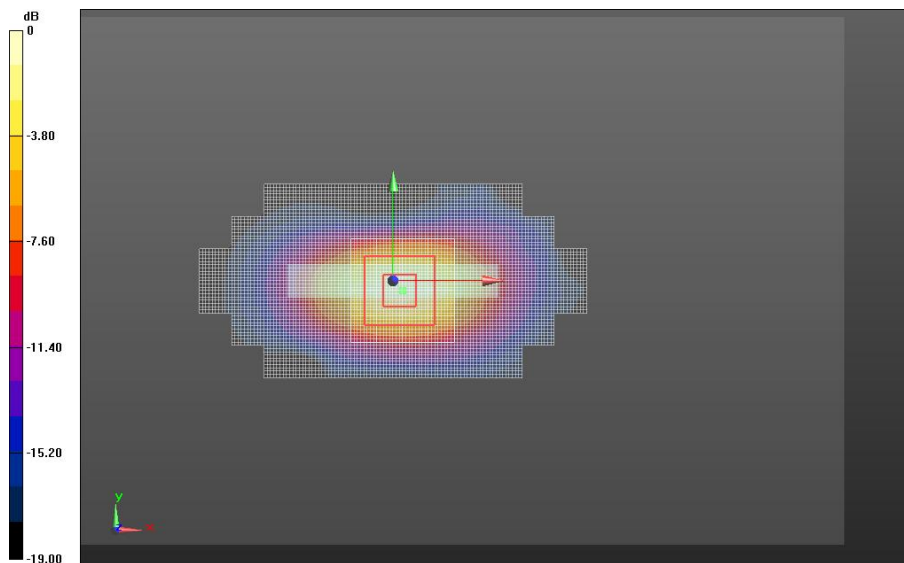
Fast SAR: SAR(1g) = 1.14 W/kg; SAR(10g) = 0.560 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 24.167 V/m, Power Drift = 0.00558 dB

Averaged SAR: SAR(1g) = 1.14 W/kg; SAR(10g) = 0.566 W/kg



Triple Flat Phone Template

Date/Time: 4/15/2013 6:21:34 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0017; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Bottom Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.76,4.76,4.76); Calibrated: 8/20/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 9/3/2012
- Phantom: R#2 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _WCDMA; Communication System Band: WCDMA-1900, Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1.000

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.526$; $\epsilon_r = 54.03$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (10mm) (261x141x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

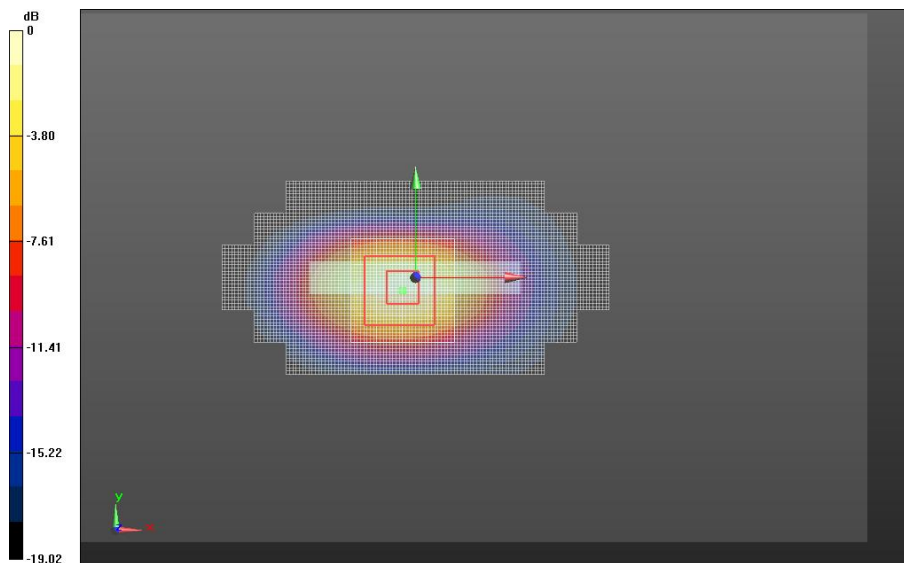
Fast SAR: SAR(1g) = 1.17 W/kg; SAR(10g) = 0.571 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 25.229 V/m, Power Drift = 0.00979 dB

Averaged SAR: SAR(1g) = 1.14 W/kg; SAR(10g) = 0.577 W/kg



Triple Flat Phone Template

Date/Time: 4/13/2013 1:21:29 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0034; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Bottom Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3180; ConvF(4.78,4.78,4.78); Calibrated: 2/11/2013;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn656; Calibrated: 2/7/2013
- Phantom: R#-1, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 02; Communication System Band: Band 2: 20 MHz BW;
Frequency: 1880 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=1880$ MHz; $\sigma = 1.515$; $\epsilon_r = 53.94$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (10mm) (261x141x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

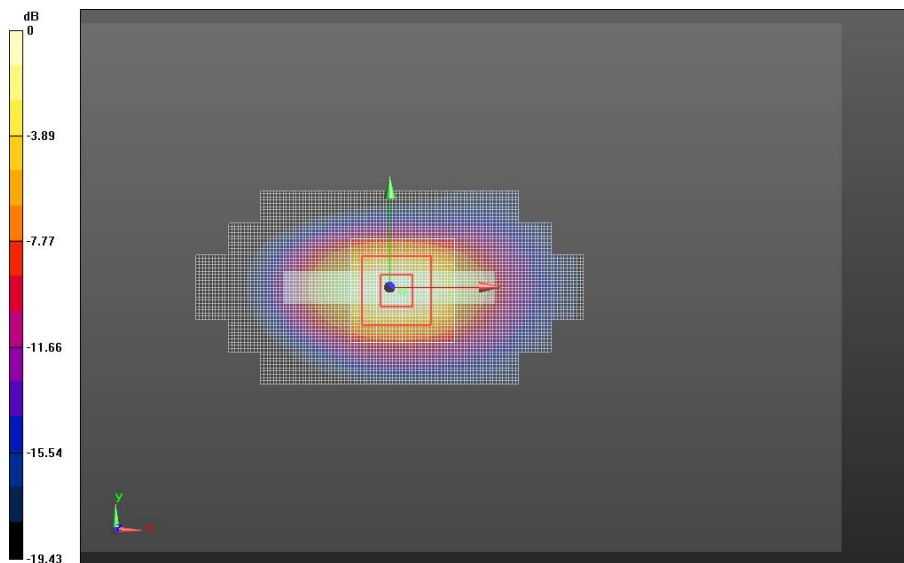
Fast SAR: SAR(1g) = 1.33 W/kg; SAR(10g) = 0.655 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 26.754 V/m, Power Drift = 0.087 dB

Averaged SAR: SAR(1g) = 1.32 W/kg; SAR(10g) = 0.658 W/kg



Triple Flat Phone Template

Date/Time: 4/13/2013 11:22:51 AM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0020; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Bottom Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.83,4.83,4.83); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 04; Communication System Band: Band 4: 20 MHz BW;
Frequency: 1733 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=1732.5$ MHz; $\sigma = 1.500$; $\epsilon_r = 54.70$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (10mm) (261x141x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

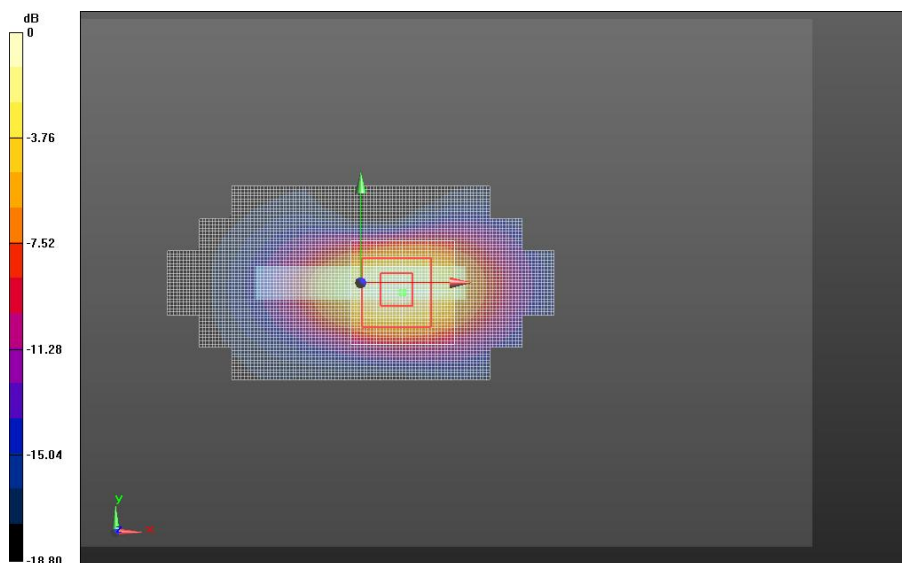
Fast SAR: SAR(1g) = 1.04 W/kg; SAR(10g) = 0.505 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 27.056 V/m, Power Drift = 0.030 dB

Averaged SAR: SAR(1g) = 1.02 W/kg; SAR(10g) = 0.500 W/kg



Triple Flat Phone Template

Date/Time: 4/11/2013 1:02:29 PM

Test Lab: Motorola Mobility

DUT Serial: LXTU1J0034; FCC ID: IHDT56PA2; Antenna: Internal; Battery: Internal;
Test Configuration: Back of Phone 10 mm from Phantom

DASY Configuration:

- Probe: ES3DV3 - SN3037; ConvF(6.22,6.22,6.22); Calibrated: 9/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn703; Calibrated: 9/11/2012
- Phantom: R#4 Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: _LTE Band 17; Communication System Band: Band 17: 10 MHz BW;
Frequency: 710.0 MHz; Duty Cycle: 1:1.000
Medium Parameters used: $f=710$ MHz; $\sigma = 0.9508$; $\epsilon_r = 53.75$ mho/m; $\rho = 1.000$ kg/m³

Triple Flat Phone Template/Area Scan (15mm), not for EDGES (181x101x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

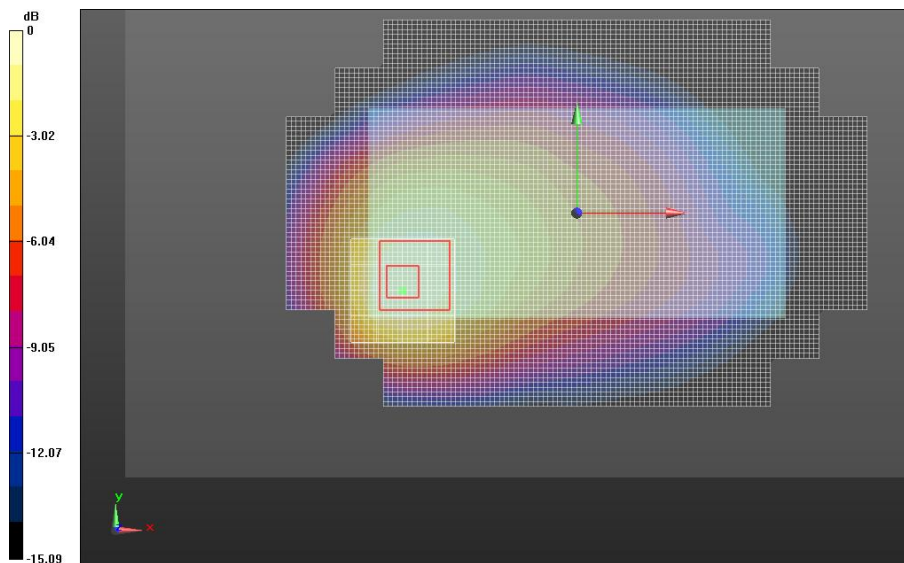
Fast SAR: SAR(1g) = 0.238 W/kg; SAR(10g) = 0.159 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan () (21x21x36)/Cube 0:

Interpolated grid: $dx=1.600$ mm, $dy=1.600$ mm, $dz=1.000$ mm

Reference Value = 14.325 V/m, Power Drift = 0.090 dB

Averaged SAR: SAR(1g) = 0.228 W/kg; SAR(10g) = 0.145 W/kg



Triple Flat Phone Template

Date/Time: 3/23/2013 10:51:00 AM

Test Laboratory: Motorola Mobility - 2450MHz WI-FI Mobile Hotspot Exposure
DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2; Antenna Position: Internal;
Battery Model #: SNN5923A; Device Position: Left Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(6.86,6.86,6.86); Calibrated: 8/24/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/12/2012
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 2450MHz WIFI; Frequency: 2437 MHz; Channel: 6; Duty Cycle: 1:1.000; Radio Configuration: 802.11b mode, 1 Mbps data rate

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.998$; $\epsilon_r = 50.28$ mho/m; $\rho = 1000$ kg/m³

Triple Flat Phone Template/Area Scan (10mm) (261x141x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

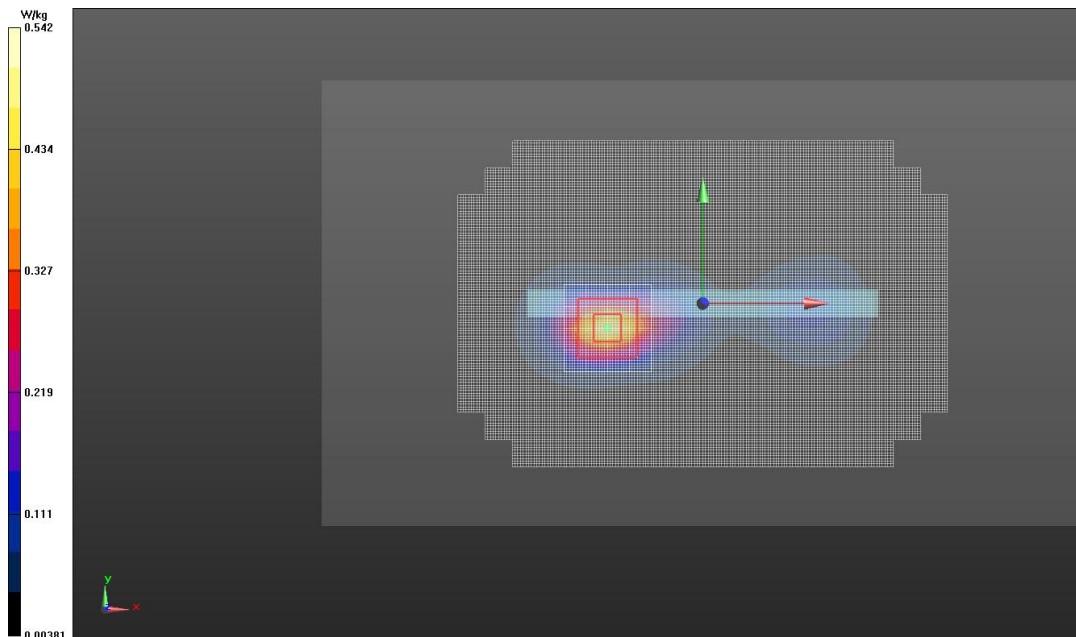
Fast SAR: SAR(1g) = 0.441 W/kg; SAR(10g) = 0.200 W/kg

Triple Flat Phone Template/5x5x7 Zoom Scan (<=3GHz) (21x21x36)/Cube 0:

Interpolated grid: dx=1.600 mm, dy=1.600 mm, dz=1.000 mm

Reference Value = 10.552 V/m, Power Drift = 0.041 dB

Averaged SAR: SAR(1g) = 0.455 W/kg; SAR(10g) = 0.210 W/kg



Triple Flat Phone Template

Date/Time: 3/30/2013 9:16:34 PM

Test Laboratory: Motorola Mobility - 5785 MHz WI-FI Mobile Hotspot Exposure
DUT Serial: LXAA1W0032; FCC ID: IHDT56PA2; Antenna Position: Internal;
Battery Model #: SNN5923A; Device Position: Left Edge of Phone 10 mm from Phantom

DASY Configuration:

- Probe: EX3DV4 - SN3730; ConvF(3.81,3.81,3.81); Calibrated: 8/24/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn784; Calibrated: 3/6/2013
- Phantom: R#-3, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.5(1059); SEMCAD X Version 14.6.8 (7028)

Communication System: 5785 MHz Sub-Band; Frequency: 5785 MHz; Channel: 157; Duty Cycle: 1:1.000; Radio Configuration: 802.11a mode, 6 Mbps data rate

Medium Parameters used: $f=5785$ MHz; $\sigma = 6.223$; $\epsilon_r = 44.65$ mho/m; $\rho = 1000$ kg/m³

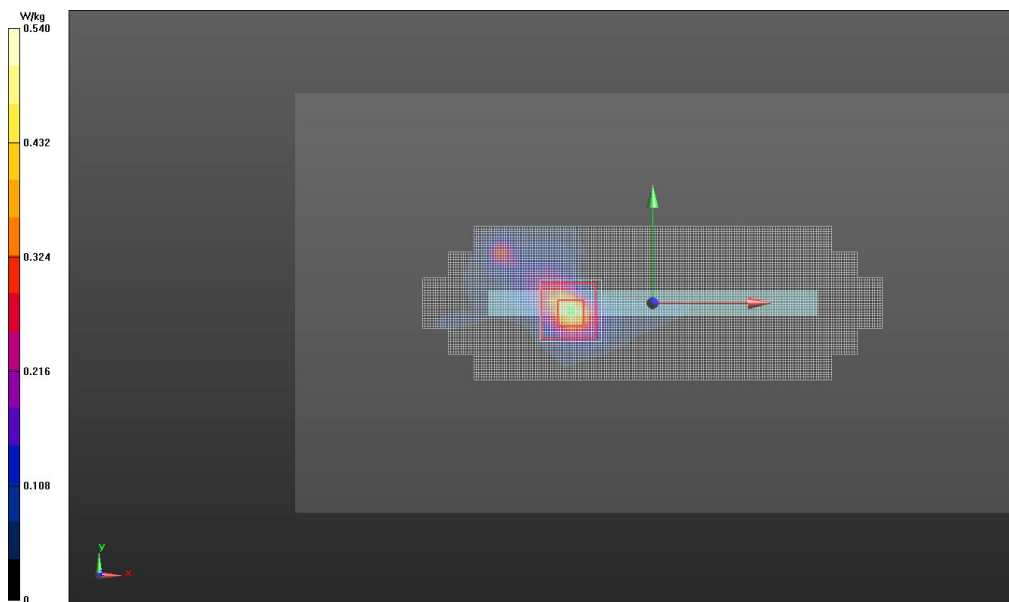
TRIPLE Flat Phone Against Flat Section/Area Scan - Body (10mm) (281x161x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm

Fast SAR: SAR(1g) = 0.246 W/kg; SAR(10g) = 0.0738 W/kg

TRIPLE Flat Phone Against Flat Section/7x7x12 Zoom Scan (5-6GHz) (31x31x31)/Cube 0:
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 6.832 V/m, Power Drift = -0.047 dB

Averaged SAR: SAR(1g) = 0.255 W/kg; SAR(10g) = 0.0752 W/kg



TRIPLE Flat Phone Against Flat Section

Appendix 5

Measurement Uncertainty Budget

Uncertainty Budget for Device Under Test, for 735 MHz to 3 GHz

a	b	c	d	e = f(d,k)	f	g	h = c x f / e	i = c x g / e	k
Uncertainty Component	Description IEEE 1528(2003) / IEC 62209-1(2005)	Tol. (± %)	Prob Dist	Div.	ci (1 g)	ci (10 g)	1 g u_i (±%)	10 g u_i (±%)	vi
Measurement System									
Probe Calibration [ES3DV3]	E.2.1 / 7.2.1	6.0	N	1.00	1	1	6.0	6.0	∞
Axial Isotropy	E.2.2 / 7.2.1.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	E.2.2 / 7.2.1.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3 / 7.2.1.5	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4 / 7.2.1.3	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5 / 7.2.1.4	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6 / 7.2.1.6	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	E.2.7 / 7.2.1.7	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	E.2.8 / 7.2.1.8	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mech. Tolerance	E.6.2 / 7.2.2.1	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning w.r.t Phantom	E.6.3 / 7.2.2.3	2.9	R	1.73	1	1	1.7	1.7	∞
Max. SAR Evaluation (ext., int., avg.)	E.5 / 7.2.4	3.4	R	1.73	1	1	2.0	2.0	∞
Test sample Related									
Test Sample Positioning	E.4.2 / 7.2.2.4	3.4	N	1.00	1	1	3.4	3.4	79
Device Holder Uncertainty	E.4.1 / 7.2.2.4.2	4.5	N	1.00	1	1	4.5	4.5	11
SAR drift	6.6.2 / 7.2.3.5	0.0	R	1.73	1	1	0.0	0.0	
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1 / 7.2.2.2	6.1	R	1.73	1	1	3.5	3.5	∞
SAR Correction		1.9	R	1.73	1	0.84	1.1	0.9	∞
Liquid Conductivity (measurement)	E.3.3 / 7.2.3.3	1.3	N	1.00	0.64	0.43	0.9	0.6	6
Liquid Permittivity (measurement)	E.3.2 / 7.2.3.4	0.7	N	1.00	0.6	0.49	0.4	0.3	6
Combined Standard Uncertainty			RSS				11	11	390
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				22	22	∞

Uncertainty Budget for Device Under Test for 3 to 6 GHz

a	b	c	d	e = f(d,k)	f	g	h = c x f / e	i = c x g / e	k
Uncertainty Component	Description IEC 62209- 2 (2010)	Tol. (± %)	Prob Dist	Div.	ci (1 g)	ci (10 g)	1 g ui (±%)	10 g ui (±%)	vi
Measurement System									
Probe Calibration [EX3DV4]	7.2.2.1	6.6	N	1.00	1	1	6.6	6.6	∞
Axial Isotropy	7.2.2.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	7.2.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	7.2.2.6	2.0	R	1.73	1	1	1.2	1.2	∞
Linearity	7.2.2.5	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	7.2.2	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	7.2.2.7	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	7.2.2.8	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	7.2.2.9	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	7.2.4.5	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	7.2.4.5	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mech. Tolerance	7.2.3.1	1.0	R	1.73	1	1	0.6	0.6	∞
Probe Positioning w.r.t Phantom	7.2.3.3	6.7	R	1.73	1	1	3.9	3.9	∞
Max. SAR Evaluation (ext., int., avg.)	7.2.5.3	4.0	R	1.73	1	1	2.3	2.3	∞
Test sample Related									
Test Sample Positioning	7.2.3.4	3.4	N	1.00	1	1	3.4	3.4	79
Device Holder Uncertainty	7.2.3.4	4.5	N	1.00	1	1	4.5	4.5	11
SAR drift	7.2.2.10	0.0	R	1.73	1	1	0.0	0.0	
Phantom and Tissue Parameters									
Phantom Uncertainty	7.2.3.2	6.6	R	1.73	1	1	3.8	3.8	∞
SAR Correction	7.2.4.3	1.9	R	1.73	1	0.84	1.1	0.9	∞
Liquid Conductivity (measurement)	7.2.4.3	1.4	N	1.00	0.64	0.43	0.9	0.6	6
Liquid Permittivity (measurement)	7.2.4.3	0.7	N	1.00	0.6	0.49	0.4	0.4	6
Combined Standard Uncertainty			RSS				12	12	557
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				24	24	